

MONTHLY BULLETIN of REGIONAL and TELESEISMIC EVENTS RECORDED with GRF- and GRSN-STATIONS in GERMANY

(produced by SZGRF/BGR - HANNOVER)

March 2013 UPDATED 12.FEBRUARY.2014

Please note that local events recorded in Germany are part of the "LOCAL BULLETIN".

Event 30301001 Mariana Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/01	03:29:48.00			21.7600	144.0300				161.9			26		94.74	99.76	m i ke	NEIC
OrigID 30301055																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	30301007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	98.61		P	03:43:07.442		43.5		4.28		TAS		14.4	1.16	m_e mb	5.6
BFO	99.76		P	03:43:12.210		43.5		4.28		TAS		13.9	1.19	m_e mb	5.5
BRG	95.40		P	03:42:52.721	0.3	43.5		4.28		TAS		20.6	1.32	m_e mb	5.4
BSEG	94.74		P	03:42:49.377	-0.1	43.5		4.28		TAS		35.6	1.27	m_e mb	5.6
BUG	97.84		P	03:43:03.216		43.5		4.28		TAS		23.2	1.50	m_e mb	5.7
CLL	95.52		P	03:42:53.010	-0.0	43.5		4.28		TAS		19.6	1.01	m_e mb	5.6
CLZ	96.26		P	03:42:56.637	0.1	43.5		4.28		TAS		24.1	1.31	m_e mb	5.6
FBE	95.63		P	03:42:54.076	0.2	43.5		4.28		TAS		35.1	1.08	m_e mb	5.8
FLT1	95.54		P	03:42:52.772	0.0	43.5		4.28		TAS		30.4	1.35	m_e mb	5.7
FUR	98.55		P	03:43:07.117		43.5		4.28		TAS		46.1	1.35	m_e mb	6.0
GEC2	96.93		P	03:42:59.416	-0.0	43.5		4.28		TAS		13.3	1.27	m_e mb	5.4
GRA1	97.47		P	03:43:02.318		43.5		4.28		TAS		45.0	1.41	m_e mb	5.9
GRA1	97.47		PP	03:47:00.643						T__				m_e	
GUNZ	96.49		P	03:42:57.808	-0.3	43.5		4.28		TAS		16.2	1.03	m_e mb	5.5
MANZ	96.86		P	03:42:59.425	-0.3	43.5		4.28		TAS		16.4	1.46	m_e mb	5.4
MOX	96.60		P	03:42:58.184	-0.2	43.5		4.28		TAS		16.2	1.23	m_e mb	5.5
NEUB	96.14		P	03:42:55.966	0.3	43.5		4.28		TAS		29.1	1.25	m_e mb	5.7
NRDL	95.89		P	03:42:54.687	-0.1	43.5		4.28		TAS		15.3	1.32	m_e mb	5.4
PLN	96.48		P	03:42:57.594	-0.4	43.5		4.28		TAS		15.7	1.25	m_e mb	5.4
RETH	96.01		P	03:42:55.177	0.2	43.5		4.28		TAS		19.2	1.35	m_e mb	5.5
ROTZ	96.97		P	03:42:59.583	-0.0	43.5		4.28		TAS		41.1	1.71	m_e mb	5.8

STU	99.05	P	03:43:09.362		43.5	4.28	TAS	36.7	1.34	m_e	mb	5.9
TANN	96.39	P	03:42:57.092	0.1	43.5	4.28	TAS	21.9	1.24	m_e	mb	5.5
TNS	98.28	P	03:43:05.617		43.5	4.28	TAS	15.1	1.36	m_e	mb	5.5
UBBA	97.18	P	03:43:00.433	-0.2	43.5	4.28	TAS	11.3	1.41	m_e	mb	5.3
WERN	96.52	P	03:42:58.057	0.1	43.5	4.28	TAS	19.3	1.11	m_e	mb	5.6
WET	97.11	P	03:43:00.672	0.1	43.5	4.28	TAS	9.5	1.36	m_e	mb	5.2

Event 30301004 Northwest of Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/01	12:54:05.94			52.6440	154.9980				33.0			31		69.79	75.48	m i ke	BGR
OrigID																	
30301010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.8		BGR	30301010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	73.68	P		13:05:34.220	0.0	22.0		5.91		TAS		165.9	1.12	m_e	mb	6.0
ASSE	71.39	P		13:05:20.848	-0.1	22.0		5.91		TAS		142.4	1.75	m_e	mb	5.8
BFO	75.48	P		13:05:44.336		22.0		5.91		TAS		61.0	0.90	m_e	mb	5.6
BRG	71.75	P		13:05:22.760	-0.1	22.0		5.91		TAS		65.9	1.54	m_e	mb	5.5
BSEG	69.79	P		13:05:11.242	0.2	22.0		5.91		TAS		54.5	1.08	m_e	mb	5.6
BUG	72.79	P		13:05:28.828	0.0	22.0		5.91		TAS		96.8	1.07	m_e	mb	5.9
CLL	71.59	P		13:05:21.474	0.2	22.0		5.91		TAS		78.8	1.05	m_e	mb	5.8
CLZ	71.72	P		13:05:22.899	0.0	22.0		5.91		TAS		126.0	1.26	m_e	mb	5.9
FBE	71.86	P		13:05:23.490	-0.2	22.0		5.91		TAS		94.1	1.44	m_e	mb	5.7
FLT1	71.07	P		13:05:18.241	0.2	22.0		5.91		TAS		52.1	1.06	m_e	mb	5.6
FUR	74.93	P		13:05:41.530		22.0		5.91		TAS		173.5	1.01	m_e	mb	6.0
GEC2	73.67	P		13:05:34.230	-0.1	22.0		5.91		TAS		49.1	1.22	m_e	mb	5.4
GOR1	70.44	P		13:05:15.252	-0.2	22.0		5.91		TAS		111.3	1.28	m_e	mb	5.8
GRA1	73.52	P		13:05:33.803	0.2	22.0		5.91		TAS		192.3	1.03	m_e	mb	6.1
GTTG	72.09	P		13:05:24.915	0.1	22.0		5.91		TAS		71.2	1.07	m_e	mb	5.7
GUNZ	72.62	P		13:05:28.172	-0.0	22.0		5.91		TAS		410.8	2.58	m_e	mb	6.1
IBBN	71.87	P		13:05:23.559	0.1	22.0		5.91		TAS		118.7	0.92	m_e	mb	6.0
MANZ	73.03	P		13:05:30.268	0.4	22.0		5.91		TAS		57.9	1.21	m_e	mb	5.6
MOX	72.54	P		13:05:27.298	0.2	22.0		5.91		TAS		50.2	1.32	m_e	mb	5.5
NEUB	71.99	P		13:05:24.185	-0.3	22.0		5.91		TAS		87.3	1.40	m_e	mb	5.7
NRDL	71.18	P		13:05:19.236	0.2	22.0		5.91		TAS		53.9	1.17	m_e	mb	5.6
PLN	72.55	P		13:05:27.661	0.0	22.0		5.91		TAS		82.9	1.46	m_e	mb	5.7
RETH	71.12	P		13:05:18.867	-0.4	22.0		5.91		TAS		106.8	1.23	m_e	mb	5.8
ROTZ	73.21	P		13:05:31.484	0.1	22.0		5.91		TAS		78.3	1.18	m_e	mb	5.7
STU	74.86	P		13:05:41.043		22.0		5.91		TAS		127.8	1.09	m_e	mb	5.9
TANN	72.55	P		13:05:27.278	0.1	22.0		5.91		TAS		238.8	1.86	m_e	mb	6.0
TNS	73.67	P		13:05:34.300	-0.2	22.0		5.91		TAS		100.4	1.02	m_e	mb	5.8
UBBA	72.76	P		13:05:28.773	0.5	22.0		5.91		TAS		131.0	1.74	m_e	mb	5.8
WERN	72.68	P		13:05:28.495	-0.1	22.0		5.91		TAS		67.6	1.14	m_e	mb	5.7

WET	73.61	P	13:05:34.265	0.1	22.0	5.91	TAS	87.5	1.19	m_e	mb	5.7
WLF	74.70	P	13:05:40.130	-0.5	22.0	5.91	TAS				m_e	

Event 30301005 Northwest of Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/01	13:21:06.14			52.7230	154.7690				33.0			34		68.41	75.35	m i ke	BGR
	30301011																

Magnitude	Err	Nsta	Author	OrigID
mb	6.5		BGR	30301011
MBB	6.9		BGR	30301011
Ms	6.7		BGR	30301011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	73.55		P	13:32:33.782	0.1	22.1		5.92		TAS		1041.9	1.81	m_e	MBB	6.9
ASSE	71.26		P	13:32:20.230	-0.0	22.1		5.92		TAS		746.3	1.63	m_e	MBB	7.0
BFO	75.35		P	13:32:43.945	-0.5	22.1		5.92		TAS		1217.8	2.21	m_e	mb	6.5
BRG	71.62		P	13:32:22.077	-0.3	22.1		5.92		TAS		676.3	2.14	m_e	MBB	6.7
BSEG	69.67		P	13:32:10.929	0.2	22.1		5.92		TAS		1371.7	2.29	m_e	MBB	7.0
BUG	72.66		P	13:32:28.328	-0.1	22.1		5.92		TAS		624.5	1.31	m_e	MBB	7.0
CLL	71.46		P	13:32:20.946	-0.5	22.1		5.92		TAS		469.0	1.44	m_e	MBB	6.8
CLZ	71.60		P	13:32:22.626	0.4	22.1		5.92		TAS		976.1	1.70	m_e	MBB	7.0
FBE	71.73		P	13:32:22.973	-0.1	22.1		5.92		TAS		880.2	1.86	m_e	MBB	6.8
FLT1	70.94		P	13:32:17.991	-0.4	22.1		5.92		TAS		360.8	1.37	m_e	MBB	6.9
FUR	74.80		P	13:32:41.042	-0.2	22.1		5.92		TAS		637.6	1.19	m_e	MBB	7.0
GEC2	73.54		P	13:32:33.867	0.1	22.1		5.92		TAS		379.2	1.45	m_e	MBB	6.7
GOR1	70.32		P	13:32:14.987	0.3	22.1		5.92		TAS		1180.5	1.75	m_e	MBB	7.2
GRA1	73.39		P	13:32:33.254	0.4	22.1		5.92		TAS		784.2	1.33	m_e	mb	6.7
GRA1	73.39		L	14:09:42.532						T__		38957.6	20.20	a_e	Ms	6.7
GTTG	71.97		P	13:32:24.555	0.1	22.1		5.92		TAS		722.4	1.48	m_e	MBB	7.1
GUNZ	72.50		P	13:32:27.790	0.2	22.1		5.92		TAS		579.5	1.54	m_e	MBB	6.8
HLG	69.96		P	13:32:12.532	0.2	22.1		5.92		TAS		618.3	1.32	m_e	MBB	7.1
IBBN	71.75		P	13:32:23.154	0.1	22.1		5.92		TAS		465.4	1.14	m_e	MBB	7.1
MANZ	72.90		P	13:32:30.053	0.1	22.1		5.92		TAS		312.7	1.46	m_e	MBB	6.8
MOX	72.41		P	13:32:27.154	0.1	22.1		5.92		TAS		443.1	1.47	m_e	MBB	6.9
MOX	72.41		L	14:08:52.540						T__		40712.8	20.90	a_e	Ms	6.7
NEUB	71.87		P	13:32:23.673	-0.2	22.1		5.92		TAS		797.4	1.80	m_e	MBB	6.9
NRDL	71.05		P	13:32:18.880	-0.1	22.1		5.92		TAS		1076.3	2.24	m_e	MBB	7.0
PLN	72.42		P	13:32:27.233	0.1	22.1		5.92		TAS		482.2	1.50	m_e	MBB	6.9
RETH	70.99		P	13:32:18.703	0.1	22.1		5.92		TAS		747.2	1.66	m_e	MBB	7.0
RGN	68.41		P	13:32:02.851	-0.5	22.1		5.92		TAS		1156.5	1.75	m_e	MBB	7.2
ROTZ	73.08		P	13:32:31.251	0.2	22.1		5.92		TAS		812.4	1.81	m_e	MBB	6.9
RUE	70.19		P	13:32:13.972	0.0	22.1		5.92		TAS		683.3	1.53	m_e	MBB	7.0
STU	74.74		P	13:32:40.530	-0.3	22.1		5.92		TAS		558.5	1.54	m_e	MBB	6.8
TANN	72.42		P	13:32:27.203	0.1	22.1		5.92		TAS		1098.1	1.75	m_e	MBB	7.2

TNS	73.55	P	13:32:33.726	-0.1	22.1	5.92	TAS	444.1	1.27	m_e	MBB	6.8
UBBA	72.64	P	13:32:28.336	-0.1	22.1	5.92	TAS	919.8	1.82	m_e	MBB	6.9
WERN	72.55	P	13:32:28.275	0.3	22.1	5.92	TAS	409.9	1.37	m_e	MBB	6.8
WET	73.48	P	13:32:33.797	0.4	22.1	5.92	TAS	659.0	1.41	m_e	MBB	7.0
WLF	74.58	P	13:32:39.793	0.0	22.1	5.92	TAS			m_e		

Event 30301008 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/01	17:13:58.99			-21.3420	-177.2660				536.3			23		145.89	152.70	m i ke	BGR
	30301014																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	150.66		PKPdf	17:32:44.659		18.0		1.55		TAS				m_e	
AHRW	150.66		PKPbc	17:32:50.299	0.2	16.4		2.39		TAS				m_e	
AHRW	150.66		PKPab	17:32:59.067		13.9		4.17		TAS				m_e	
ASSE	148.66		PKPdf	17:32:41.340	-0.1	18.0		1.55		TAS				m_e	
ASSE	148.66		PKPbc	17:32:45.344	-0.1	16.4		2.39		TAS				m_e	
BFO	152.70		PKPbc	17:32:54.664		16.4		2.39		TAS				m_e	
BFO	152.70		PKPab	17:33:07.367		13.9		4.17		TAS				m_e	
BRG	149.24		PKPdf	17:32:42.084	0.2	18.0		1.55		TAS				m_e	
BRG	149.24		PKPbc	17:32:46.747	0.3	16.4		2.39		TAS				m_e	
BSEG	146.95		PKPdf	17:32:38.619	-0.1	18.0		1.55		TAS				m_e	
BSEG	146.95		PKPbc	17:32:41.071	0.0	16.4		2.39		TAS				m_e	
BUG	149.75		PKPbc	17:32:48.083	0.1	16.4		2.39		TAS				m_e	
CLL	149.03		PKPdf	17:32:41.729	0.2	18.0		1.55		TAS				m_e	
CLL	149.03		PKPbc	17:32:46.119	0.4	16.4		2.39		TAS				m_e	
CLZ	148.98		PKPdf	17:32:42.003	0.3	18.0		1.55		TAS				m_e	
CLZ	148.98		PKPbc	17:32:46.577	-0.1	16.4		2.39		TAS				m_e	
FBE	149.32		PKPdf	17:32:42.602	0.0	18.0		1.55		TAS				m_e	
FBE	149.32		PKPbc	17:32:47.299	0.1	16.4		2.39		TAS				m_e	
FBE	149.32		PKPab	17:32:53.275	0.2	13.9		4.17		TAS				m_e	
FLT1	148.37		PKPdf	17:32:40.596	-0.1	18.0		1.55		TAS				m_e	
FLT1	148.37		PKPbc	17:32:44.399	-0.0	16.4		2.39		TAS				m_e	
FLT1	148.37		PKPab	17:32:48.859	-0.2	13.9		4.17		TAS				m_e	
FUR	152.37		PKPdf	17:32:46.818		18.0		1.55		TAS				m_e	
FUR	152.37		PKPbc	17:32:53.999	-0.4	16.4		2.39		TAS				m_e	
FUR	152.37		PKPab	17:33:06.225		13.9		4.17		TAS				m_e	
GEC2	151.19		PKPdf	17:32:45.031		18.0		1.55		TAS				m_e	
GEC2	151.19		PKPbc	17:32:51.179	0.4	16.4		2.39		TAS				m_e	
GOR1	147.72		PKPbc	17:32:43.023	-0.1	16.4		2.39		TAS				m_e	
GRA1	150.92		PKPbc	17:32:50.743	-0.2	16.4		2.39		TAS				m_e	
GRA1	150.92		PKPab	17:33:00.197		13.9		4.17		TAS				m_e	
GRA1	150.92		pPKPbc	17:34:55.441						T__				m_e	

GTTG	149.33	PKPdf	17:32:42.550	0.0	18.0	1.55	TAS	m_e
GTTG	149.33	PKPbc	17:32:47.301	-0.2	16.4	2.39	TAS	m_e
GUNZ	150.06	PKPdf	17:32:43.633	0.0	18.0	1.55	TAS	m_e
GUNZ	150.06	PKPbc	17:32:49.014	-0.2	16.4	2.39	TAS	m_e
GUNZ	150.06	PKPab	17:32:56.419		13.9	4.17	TAS	m_e
HLG	146.98	PKPbc	17:32:41.644	-0.2	16.4	2.39	TAS	m_e
IBBN	148.85	PKPdf	17:32:41.785	-0.1	18.0	1.55	TAS	m_e
IBBN	148.85	PKPbc	17:32:45.994	-0.1	16.4	2.39	TAS	m_e
IBBN	148.85	PKPab	17:32:50.789	0.3	13.9	4.17	TAS	m_e
MANZ	150.47	PKPdf	17:32:43.930		18.0	1.55	TAS	m_e
MANZ	150.47	PKPbc	17:32:49.879	-0.0	16.4	2.39	TAS	m_e
MOX	149.93	PKPdf	17:32:43.248	-0.1	18.0	1.55	TAS	m_e
MOX	149.93	PKPbc	17:32:48.474	0.2	16.4	2.39	TAS	m_e
MOX	149.93	PKPab	17:32:55.629		13.9	4.17	TAS	m_e
NEUB	149.38	PKPdf	17:32:42.534	0.0	18.0	1.55	TAS	m_e
NEUB	149.38	PKPbc	17:32:47.115	0.3	16.4	2.39	TAS	m_e
NEUB	149.38	PKPab	17:32:53.268	0.2	13.9	4.17	TAS	m_e
NRDL	148.38	PKPdf	17:32:40.990	0.2	18.0	1.55	TAS	m_e
NRDL	148.38	PKPbc	17:32:44.714	-0.0	16.4	2.39	TAS	m_e
PLN	149.98	PKPdf	17:32:43.302	0.0	18.0	1.55	TAS	m_e
PLN	149.98	PKPbc	17:32:48.631	0.3	16.4	2.39	TAS	m_e
PLN	149.98	PKPab	17:32:55.896		13.9	4.17	TAS	m_e
RETH	148.25	PKPdf	17:32:40.636	0.0	18.0	1.55	TAS	m_e
RETH	148.25	PKPbc	17:32:44.426	-0.3	16.4	2.39	TAS	m_e
RGN	145.89	PKPab	17:32:39.527	0.6	13.9	4.17	TAS	m_e
ROTZ	150.66	PKPbc	17:32:50.120	-0.1	16.4	2.39	TAS	m_e
RUE	147.77	PKPdf	17:32:39.714	0.1	18.0	1.55	TAS	m_e
RUE	147.77	PKPbc	17:32:42.997	-0.1	16.4	2.39	TAS	m_e
STU	152.15	PKPdf	17:32:46.763		18.0	1.55	TAS	m_e
STU	152.15	PKPbc	17:32:53.697	-0.2	16.4	2.39	TAS	m_e
STU	152.15	PKPab	17:33:04.973		13.9	4.17	TAS	m_e
TANN	149.99	PKPdf	17:32:43.304	-0.0	18.0	1.55	TAS	m_e
TANN	149.99	PKPbc	17:32:48.731	0.1	16.4	2.39	TAS	m_e
TNS	150.83	PKPbc	17:32:50.810	0.0	16.4	2.39	TAS	m_e
UBBA	150.03	PKPbc	17:32:48.493	0.3	16.4	2.39	TAS	m_e
WERN	150.13	PKPbc	17:32:49.199	0.2	16.4	2.39	TAS	m_e
WERN	150.13	PKPab	17:32:56.745		13.9	4.17	TAS	m_e
WET	151.10	PKPdf	17:32:45.003		18.0	1.55	TAS	m_e
WET	151.10	PKPbc	17:32:51.076	-0.3	16.4	2.39	TAS	m_e
WET	151.10	PKPab	17:33:00.840		13.9	4.17	TAS	m_e
WLF	151.61	PKPbc	17:32:53.142	-0.0	16.4	2.39	TAS	m_e

Event 30302002 India-Bangladesh border region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/02	01:30:36.48			23.8340	92.1280				33.0			32		64.47	69.68	m i ke	BGR

30302008

Magnitude	Err	Nsta	Author	OrigID
mb	5.9		BGR	30302008
Ms	4.5		BGR	30302008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	68.91		P	01:41:36.831		80.5		6.41		TAS		45.7	1.13	m_e	mb	5.6
ASSE	66.41		P	01:41:20.230	0.4	80.5		6.41		TAS		37.1	1.05	m_e	mb	5.5
BFO	68.58		P	01:41:34.166	0.1	80.5		6.41		TAS		52.7	1.73	m_e	mb	5.5
BRG	64.55		P	01:41:08.803	0.0	80.5		6.41		TAS		97.5	1.58	m_e	mb	5.8
BSEG	66.35		P	01:41:20.551	-0.5	80.5		6.41		TAS		92.7	0.97	m_e	mb	6.0
BUG	68.61		P	01:41:34.694	-0.1	80.5		6.41		TAS		110.6	1.33	m_e	mb	5.9
CLL	65.09		P	01:41:11.704	0.1	80.5		6.41		TAS		46.8	1.34	m_e	mb	5.5
CLZ	66.63		P	01:41:22.401	0.5	80.5		6.41		TAS		84.1	0.87	m_e	mb	6.0
FBE	64.92		P	01:41:11.296	0.1	80.5		6.41		TAS		149.4	1.38	m_e	mb	6.0
FLT1	66.03		P	01:41:17.578	-0.0	80.5		6.41		TAS		68.8	1.23	m_e	mb	5.7
FUR	66.68		P	01:41:22.745	0.1	80.5		6.41		TAS		91.6	1.56	m_e	mb	5.8
GEC2	64.97		P	01:41:11.736	-0.6	80.5		6.41		TAS		104.8	1.66	m_e	mb	5.8
GOR1	65.90		P	01:41:17.470	-0.7	80.5		6.41		TAS		212.8	1.19	m_e	mb	6.3
GRA1	66.45		P	01:41:21.517	0.2	80.5		6.41		TAS		165.7	1.55	m_e	mb	6.0
GRA1	66.45		L	02:13:05.199						T__		353.5	20.50	a_e	Ms	4.6
GTTG	66.93		P	01:41:24.214	-0.3	80.5		6.41		TAS		194.1	1.52	m_e	mb	6.1
GUNZ	65.64		P	01:41:16.092	0.1	80.5		6.41		TAS		134.1	1.66	m_e	mb	5.9
IBBN	68.14		P	01:41:31.791	-0.1	80.5		6.41		TAS		111.3	1.37	m_e	mb	5.9
MANZ	65.84		P	01:41:17.377	-0.1	80.5		6.41		TAS		106.9	1.50	m_e	mb	5.9
MOX	66.05		P	01:41:18.516	0.5	80.5		6.41		TAS		67.0	1.36	m_e	mb	5.7
MOX	66.05		L	02:13:37.810						T__		309.0	21.10	a_e	Ms	4.5
NEUB	65.87		P	01:41:17.203	0.2	80.5		6.41		TAS		158.3	1.53	m_e	mb	6.0
NRDL	66.69		P	01:41:22.920	0.2	80.5		6.41		TAS		197.6	1.31	m_e	mb	6.2
PLN	65.73		P	01:41:16.541	0.4	80.5		6.41		TAS		114.8	1.78	m_e	mb	5.8
RETH	67.10		P	01:41:25.063	0.0	80.5		6.41		TAS		57.4	1.42	m_e	mb	5.6
ROTZ	65.81		P	01:41:17.399	0.2	80.5		6.41		TAS		177.8	1.62	m_e	mb	6.0
RUE	64.47		P	01:41:08.059	-0.2	80.5		6.41		TAS		101.3	0.99	m_e	mb	6.0
STU	67.92		P	01:41:30.605	0.1	80.5		6.41		TAS		209.9	1.89	m_e	mb	6.0
TANN	65.55		P	01:41:15.303	-0.1	80.5		6.41		TAS		212.0	1.76	m_e	mb	6.1
TNS	68.12		P	01:41:31.868	-0.6	80.5		6.41		TAS		59.9	0.98	m_e	mb	5.8
UBBA	67.03		P	01:41:24.524	0.0	80.5		6.41		TAS		67.7	1.41	m_e	mb	5.7
WERN	65.62		P	01:41:15.708	0.2	80.5		6.41		TAS		83.4	1.68	m_e	mb	5.7
WET	65.47		P	01:41:14.935	-0.0	80.5		6.41		TAS		132.2	1.98	m_e	mb	5.8
WLF	69.68		P	01:41:42.002		80.5		6.41		TAS				m_e		

Event 30302003 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/02	04:18:46.80			-17.5500	-178.6800				538.0			9		143.02	148.77	m i ke	NEIC

30302057

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	144.71		PKPbc	04:37:22.240	-0.1	14.9		2.82		TAS					m_e	
BFO	148.77		PKPbc	04:37:33.029		14.9		2.82		TAS					m_e	
BFO	148.77		PKPab	04:37:39.818		14.1		4.09		TAS					m_e	
BRG	145.26		PKPbc	04:37:24.090	0.0	14.9		2.82		TAS					m_e	
BSEG	143.02		PKPbc	04:37:16.825	-0.0	14.9		2.82		TAS					m_e	
CLL	145.06		PKPbc	04:37:23.373	0.1	14.9		2.82		TAS					m_e	
CLZ	145.04		PKPbc	04:37:23.555	-0.0	14.9		2.82		TAS					m_e	
FBE	145.35		PKPbc	04:37:24.675	0.1	14.9		2.82		TAS					m_e	
FBE	145.35		PKPab	04:37:26.460		14.1		4.09		TAS					m_e	
FLT1	144.43		PKPbc	04:37:21.117	0.4	14.9		2.82		TAS					m_e	
FUR	148.40		PKPbc	04:37:32.345		14.9		2.82		TAS					m_e	
GEC2	147.20		PKPbc	04:37:29.411		14.9		2.82		TAS					m_e	
GRA1	146.96		PKPbc	04:37:28.909	-0.5	14.9		2.82		TAS					m_e	
GRA1	146.96		PKPab	04:37:32.771		14.1		4.09		TAS					m_e	
GTTG	145.39		PKPbc	04:37:24.551	0.4	14.9		2.82		TAS					m_e	
GUNZ	146.09		PKPbc	04:37:26.671	0.2	14.9		2.82		TAS					m_e	
GUNZ	146.09		PKPab	04:37:29.263		14.1		4.09		TAS					m_e	
IBBN	144.95		PKPbc	04:37:23.088	0.4	14.9		2.82		TAS					m_e	
MANZ	146.50		PKPbc	04:37:27.687	-0.3	14.9		2.82		TAS					m_e	
MOX	145.97		PKPbc	04:37:25.925	0.4	14.9		2.82		TAS					m_e	
MOX	145.97		PKPab	04:37:28.368		14.1		4.09		TAS					m_e	
NEUB	145.41		PKPbc	04:37:24.413	-0.1	14.9		2.82		TAS					m_e	
NRDL	144.45		PKPbc	04:37:21.356	0.1	14.9		2.82		TAS					m_e	
PLN	146.01		PKPbc	04:37:26.190	0.2	14.9		2.82		TAS					m_e	
RETH	144.32		PKPbc	04:37:21.119	-0.0	14.9		2.82		TAS					m_e	
ROTZ	146.68		PKPbc	04:37:28.175	-0.2	14.9		2.82		TAS					m_e	
RUE	143.79		PKPbc	04:37:19.469	-0.3	14.9		2.82		TAS					m_e	
STU	148.21		PKPbc	04:37:31.840		14.9		2.82		TAS					m_e	
STU	148.21		PKPab	04:37:37.497		14.1		4.09		TAS					m_e	
TANN	146.02		PKPbc	04:37:26.287	0.2	14.9		2.82		TAS					m_e	
TANN	146.02		PKPab	04:37:28.832		14.1		4.09		TAS					m_e	
TNS	146.91		PKPbc	04:37:28.626	0.3	14.9		2.82		TAS					m_e	
TNS	146.91		PKPab	04:37:32.272		14.1		4.09		TAS					m_e	
UBBA	146.09		PKPbc	04:37:26.047	0.3	14.9		2.82		TAS					m_e	
WERN	146.16		PKPbc	04:37:26.782	0.2	14.9		2.82		TAS					m_e	
WERN	146.16		PKPab	04:37:29.594		14.1		4.09		TAS					m_e	
WET	147.12		PKPbc	04:37:29.169	-0.6	14.9		2.82		TAS					m_e	
WLF	147.73		PKPbc	04:37:31.123		14.9		2.82		TAS					m_e	

Event 30302005 Vanuatu Islands region

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author

OrigID
 2013/03/02 07:53:44.58 -20.6760 171.4140 33.0 9 143.79 149.23 m i ke BGR
 30302011

Magnitude Err Nsta Author

OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	145.22		PKPbc	08:13:18.598	0.1	35.6		2.91		TAS					m_e
BFO	149.23		PKPab	08:13:35.395		36.7		4.02		TAS					m_e
BRG	145.04		PKPbc	08:13:17.846	-0.1	35.6		2.91		TAS					m_e
BSEG	143.79		PKPbc	08:13:14.107	0.1	35.6		2.91		TAS					m_e
CLL	145.06		PKPbc	08:13:17.753	0.1	35.6		2.91		TAS					m_e
CLZ	145.56		PKPbc	08:13:19.802	0.0	35.6		2.91		TAS					m_e
FBE	145.24		PKPbc	08:13:18.598	0.0	35.6		2.91		TAS					m_e
FLT1	144.86		PKPbc	08:13:17.137	-0.0	35.6		2.91		TAS					m_e
FUR	148.25		PKPab	08:13:31.427		36.7		4.02		TAS					m_e
GEC2	146.71		PKPbc	08:13:22.355	-0.1	35.6		2.91		TAS					m_e
GOR1	144.28		PKPbc	08:13:15.824	-0.1	35.6		2.91		TAS					m_e
GRA1	147.04		PKPbc	08:13:23.406	-0.2	35.6		2.91		TAS					m_e
GRA1	147.04		PKPab	08:13:26.776		36.7		4.02		TAS					m_e
GTTG	145.94		PKPbc	08:13:20.896	0.3	35.6		2.91		TAS					m_e
GUNZ	146.07		PKPbc	08:13:21.194	0.3	35.6		2.91		TAS					m_e
HLG	144.27		PKPbc	08:13:16.062	-0.2	35.6		2.91		TAS					m_e
IBBN	145.97		PKPbc	08:13:20.993	0.0	35.6		2.91		TAS					m_e
MANZ	146.46		PKPbc	08:13:21.987	-0.5	35.6		2.91		TAS					m_e
MANZ	146.46		PKPab	08:13:24.258		36.7		4.02		TAS					m_e
MOX	146.12		PKPbc	08:13:21.023	0.1	35.6		2.91		TAS					m_e
MOX	146.12		PKPab	08:13:22.863		36.7		4.02		TAS					m_e
NEUB	145.61		PKPbc	08:13:19.580	0.4	35.6		2.91		TAS					m_e
NRDL	145.09		PKPbc	08:13:18.266	0.2	35.6		2.91		TAS					m_e
PLN	146.04		PKPbc	08:13:20.902	0.3	35.6		2.91		TAS					m_e
RETH	145.12		PKPbc	08:13:18.355	0.2	35.6		2.91		TAS					m_e
ROTZ	146.60		PKPab	08:13:24.903		36.7		4.02		TAS					m_e
RUE	143.84		PKPbc	08:13:14.080	-0.4	35.6		2.91		TAS					m_e
TANN	145.98		PKPbc	08:13:20.594	0.1	35.6		2.91		TAS					m_e
TNS	147.58		PKPbc	08:13:25.304		35.6		2.91		TAS					m_e
TNS	147.58		PKPab	08:13:28.623		36.7		4.02		TAS					m_e
UBBA	146.55		PKPbc	08:13:22.173	-0.2	35.6		2.91		TAS					m_e
WERN	146.12		PKPbc	08:13:21.316	0.1	35.6		2.91		TAS					m_e
WET	146.82		PKPbc	08:13:23.004	-0.0	35.6		2.91		TAS					m_e
WET	146.82		PKPab	08:13:25.429		36.7		4.02		TAS					m_e
WLF	148.78		PKPbc	08:13:28.844		35.6		2.91		TAS					m_e
WLF	148.78		PKPab	08:13:34.396		36.7		4.02		TAS					m_e

Event 30303002 Tajikistan

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author

OrigID
 2013/03/03 03:12:44.57 38.9870 69.3410 33.0 18 40.08 45.20 m i ke BGR
 30303008

Magnitude Err Nsta Author OrigID
 mb 5.0 BGR 30303008
 Ms 4.2 BGR 30303008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	44.05		P	03:20:48.269		81.9		8.17		TAS		14.7	1.06	m_e	mb	4.6
BRG	40.08		P	03:20:15.372	0.0	81.9		8.17		TAS		30.2	0.94	m_e	mb	4.9
BSEG	42.06		P	03:20:31.148		81.9		8.17		TAS		37.3	0.94	m_e	mb	5.1
BUG	44.18		P	03:20:48.208		81.9		8.17		TAS		41.0	1.12	m_e	mb	5.1
CLL	40.63		P	03:20:19.192	-0.1	81.9		8.17		TAS		37.0	1.08	m_e	mb	5.0
CLZ	42.21		P	03:20:32.435		81.9		8.17		TAS		57.5	1.40	m_e	mb	5.1
FBE	40.44		P	03:20:18.521	-0.1	81.9		8.17		TAS		42.1	1.03	m_e	mb	5.0
FLT1	41.63		P	03:20:27.213	-0.5	81.9		8.17		TAS		47.0	0.68	m_e	mb	5.3
GRA1	41.95		P	03:20:31.429	-0.8	81.9		8.17		TAS		69.2	1.55	m_e	mb	5.1
GRA1	41.95		L	03:39:10.258						T__		323.6	21.20	a_e	Ms	4.2
IBBN	43.76		P	03:20:44.736		81.9		8.17		TAS		57.9	0.97	m_e	mb	5.3
MANZ	41.34		P	03:20:25.906	0.9	81.9		8.17		TAS		18.0	1.21	m_e	mb	4.7
MOX	41.57		P	03:20:27.575	0.3	81.9		8.17		TAS		25.6	1.11	m_e	mb	4.9
MOX	41.57		L	03:38:22.268						T__		404.6	21.40	a_e	Ms	4.3
NRDL	42.31		P	03:20:33.420		81.9		8.17		TAS		59.0	1.20	m_e	mb	5.2
STU	43.41		P	03:20:43.594		81.9		8.17		TAS		26.0	1.22	m_e	mb	4.8
TANN	41.06		P	03:20:23.464	0.6	81.9		8.17		TAS		58.0	1.56	m_e	mb	5.1
TNS	43.64		P	03:20:45.309		81.9		8.17		TAS		18.2	1.04	m_e	mb	4.7
UBR	43.01		P	03:20:38.844		81.9		8.17		TAS		30.4	1.10	m_e	mb	4.9
WLF	45.20		P	03:20:56.565		81.9		8.17		TAS				m_e		

Event 30303004 Near south coast of New Guinea, Papua New Guinea
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2013/03/03 03:25:21.90 -7.1900 145.8900 193.4 7 120.35 123.20 m i ke NEIC
 30303058

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
CLZ	122.46		PP	03:45:35.297		59.1		6.94		TAS				m_e	
GEC2	122.25		PP	03:45:33.107		59.1		6.94		TAS				m_e	
GRA1	123.20		PP	03:45:40.012		59.1		6.94		TAS				m_e	
GUNZ	122.24		PP	03:45:33.037		59.1		6.94		TAS				m_e	
MOX	122.47		PP	03:45:35.091		59.1		6.94		TAS				m_e	
RUE	120.35		PP	03:45:20.605	-0.2	59.1		6.94		TAS				m_e	
WET	122.56		PP	03:45:35.297		59.1		6.94		TAS				m_e	

Event 30303003 Eastern Siberia, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/03	03:29:49.65			67.3680	141.9360				33.0			14		55.12	59.43	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	30303009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	59.43		P	03:39:46.877		20.3		7.07		TAS		10.3	0.89	m_e mb	4.9
BUG	56.71		P	03:39:27.905		20.3		7.07		TAS		10.8	0.99	m_e mb	4.8
CLL	55.59		P	03:39:19.549	0.2	20.3		7.07		TAS		20.0	0.84	m_e mb	5.2
FUR	58.93		P	03:39:43.617		20.3		7.07		TAS		11.1	0.84	m_e mb	4.9
GEC2	57.72		P	03:39:35.213		20.3		7.07		TAS		7.1	0.95	m_e mb	4.7
GRA1	57.51		P	03:39:33.949		20.3		7.07		TAS		10.7	0.89	m_e mb	4.9
GUNZ	56.62		P	03:39:27.693		20.3		7.07		TAS		15.6	0.86	m_e mb	5.1
MOX	56.52		P	03:39:26.683		20.3		7.07		TAS		11.6	0.81	m_e mb	5.0
NRDL	55.12		P	03:39:16.556	0.2	20.3		7.07		TAS		10.3	0.93	m_e mb	4.8
PLN	56.55		P	03:39:27.033		20.3		7.07		TAS		16.7	0.84	m_e mb	5.1
ROTZ	57.21		P	03:39:31.666		20.3		7.07		TAS		4.5	0.91	m_e mb	4.5
TANN	56.55		P	03:39:27.000		20.3		7.07		TAS		13.3	0.82	m_e mb	5.0
TNS	57.62		P	03:39:34.458		20.3		7.07		TAS		6.7	0.85	m_e mb	4.7
WERN	56.69		P	03:39:28.160		20.3		7.07		TAS		13.1	0.82	m_e mb	5.0

Event 30303005 Yunnan, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/03	05:41:22.39			25.6400	99.4270				33.0			32		67.52	72.93	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.7		BGR	30303011
Ms	4.9		BGR	30303011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	72.08		P	05:52:42.103		74.0		6.17		TAS		50.2	1.08	m_e mb	5.6
BFO	72.00		P	05:52:41.597		74.0		6.17		TAS		57.1	1.29	m_e mb	5.5
BRG	67.79		P	05:52:15.865	0.0	74.0		6.17		TAS		32.1	1.02	m_e mb	5.5
BSEG	69.19		P	05:52:24.816	-0.3	74.0		6.17		TAS		68.7	1.18	m_e mb	5.8
BUG	71.68		P	05:52:39.888	0.4	74.0		6.17		TAS		49.4	1.07	m_e mb	5.6
CLL	68.26		P	05:52:18.425	0.2	74.0		6.17		TAS		35.6	1.20	m_e mb	5.5

CLZ	69.71	P	05:52:28.024	0.1	74.0	6.17	TAS	75.0	0.98	m_e	mb	5.8
FBE	68.14	P	05:52:18.262	-0.5	74.0	6.17	TAS	59.0	1.20	m_e	mb	5.7
FLT1	69.07	P	05:52:23.029	0.5	74.0	6.17	TAS	37.0	1.06	m_e	mb	5.5
FUR	70.17	P	05:52:31.290	-0.4	74.0	6.17	TAS	147.6	1.06	m_e	mb	6.0
GEC2	68.44	P	05:52:20.277	-0.2	74.0	6.17	TAS	144.0	1.87	m_e	mb	5.9
GOR1	68.86	P	05:52:22.501	0.2	74.0	6.17	TAS	97.4	1.08	m_e	mb	6.0
GRA1	69.78	P	05:52:28.798	0.1	74.0	6.17	TAS	100.0	1.51	m_e	mb	5.7
GRA1	69.78	L	06:26:53.931				T__	766.5	19.80	a_e	Ms	4.9
GTTG	70.04	P	05:52:29.955	0.5	74.0	6.17	TAS	82.2	1.08	m_e	mb	5.8
GUNZ	68.91	P	05:52:23.073	-0.1	74.0	6.17	TAS	46.2	1.05	m_e	mb	5.6
IBBN	71.12	P	05:52:36.491	-0.1	74.0	6.17	TAS	41.1	1.07	m_e	mb	5.5
MANZ	69.15	P	05:52:24.558	0.5	74.0	6.17	TAS	72.5	1.60	m_e	mb	5.7
MOX	69.28	P	05:52:24.991	0.5	74.0	6.17	TAS	91.8	1.89	m_e	mb	5.7
MOX	69.28	L	06:26:29.307				T__	672.3	19.40	a_e	Ms	4.9
NEUB	69.04	P	05:52:23.578	-0.8	74.0	6.17	TAS	69.1	1.13	m_e	mb	5.8
NRDL	69.69	P	05:52:28.123	0.4	74.0	6.17	TAS	71.4	1.12	m_e	mb	5.7
PLN	68.99	P	05:52:23.322	-0.2	74.0	6.17	TAS	26.3	1.11	m_e	mb	5.4
RETH	70.06	P	05:52:29.961	-0.3	74.0	6.17	TAS	24.1	1.10	m_e	mb	5.2
ROTZ	69.15	P	05:52:24.968	0.1	74.0	6.17	TAS	79.9	1.08	m_e	mb	5.9
RUE	67.52	P	05:52:14.118	-0.2	74.0	6.17	TAS	78.5	1.11	m_e	mb	5.9
STU	71.32	P	05:52:37.967	-0.5	74.0	6.17	TAS	102.1	1.00	m_e	mb	5.9
TANN	68.82	P	05:52:22.260	0.1	74.0	6.17	TAS	64.6	1.14	m_e	mb	5.8
TNS	71.34	P	05:52:37.896	-0.4	74.0	6.17	TAS	43.9	0.99	m_e	mb	5.5
UBBA	70.22	P	05:52:30.716	0.1	74.0	6.17	TAS	94.4	1.85	m_e	mb	5.6
UBR	71.07	P	05:52:35.862	-0.1	74.0	6.17	TAS	40.7	1.01	m_e	mb	5.5
WERN	68.90	P	05:52:23.094	0.1	74.0	6.17	TAS	35.1	1.08	m_e	mb	5.5
WET	68.89	P	05:52:23.095	0.1	74.0	6.17	TAS	43.5	1.09	m_e	mb	5.6
WLF	72.93	P	05:52:48.108		74.0	6.17	TAS			m_e		

Event 30304007 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/04	19:09:19.04			-23.8750	-178.8850				553.6			13		149.19	152.56	m i ke	BGR
	30304013																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	151.27		PKPbc	19:28:10.264	-0.2	20.7		2.20		TAS				m_e	
BSEG	149.19		PKPbc	19:28:05.641	0.0	20.7		2.20		TAS				m_e	
CLL	151.12		PKPbc	19:28:09.752	-0.0	20.7		2.20		TAS				m_e	
CLL	151.12		pPKPbc	19:30:18.275						T__				m_e	
CLZ	151.19		PKPbc	19:28:10.417	-0.2	20.7		2.20		TAS				m_e	
FBE	151.38		PKPbc	19:28:10.788		20.7		2.20		TAS				m_e	
FLT1	150.55		PKPbc	19:28:08.498	0.0	20.7		2.20		TAS				m_e	
GOR1	149.91		PKPbc	19:28:07.296	-0.1	20.7		2.20		TAS				m_e	

MANZ	152.56	PKPbc	19:28:12.996	20.7	2.20	TAS	m_e
MOX	152.06	PKPbc	19:28:11.791	20.7	2.20	TAS	m_e
NEUB	151.51	PKPbc	19:28:10.822	20.7	2.20	TAS	m_e
NRDL	150.61	PKPbc	19:28:08.844	0.3 20.7	2.20	TAS	m_e
PLN	152.08	PKPbc	19:28:11.840	20.7	2.20	TAS	m_e
TANN	152.07	PKPbc	19:28:11.969	20.7	2.20	TAS	m_e

Event 30304006 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/04	19:12:56.50			45.9100	149.1100				144.4					76.03	77.99	m i ke	NEIC
OrigID 30304060																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	30304012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
CLL	76.03		P	19:24:27.035		28.6		4.73		TAS		9.4	0.58	m_e mb	5.1
GRA1	77.99		P	19:24:38.990		28.6		4.73		TAS		5.8	1.07	m_e mb	4.6

Event 30304008 Northwest of Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/04	20:56:45.54			52.1750	155.3300				33.0				31	70.30	76.18	m i ke	BGR
OrigID 30304014																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	30304014
Ms	4.9		BGR	30304014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	74.19		P	21:08:16.880	0.2	22.0		5.87		TAS		39.9	1.28	m_e mb	5.3
ASSE	71.90		P	21:08:03.364	0.1	22.0		5.87		TAS		20.2	1.40	m_e mb	5.1
BFO	75.99		P	21:08:27.041		22.0		5.87		TAS		18.4	0.91	m_e mb	5.2
BRG	72.26		P	21:08:05.184	-0.1	22.0		5.87		TAS		13.0	1.26	m_e mb	4.9
BSEG	70.30		P	21:07:53.910	0.2	22.0		5.87		TAS		20.9	1.45	m_e mb	5.1
BUG	73.30		P	21:08:11.394	0.3	22.0		5.87		TAS		27.1	1.24	m_e mb	5.2
CLL	72.10		P	21:08:04.128	-0.4	22.0		5.87		TAS		32.7	1.51	m_e mb	5.2
CLZ	72.24		P	21:08:05.730	-0.1	22.0		5.87		TAS		71.2	1.86	m_e mb	5.5
FBE	72.37		P	21:08:06.168	0.0	22.0		5.87		TAS		55.7	2.02	m_e mb	5.3
FLT1	71.58		P	21:08:01.037	-0.5	22.0		5.87		TAS		45.3	1.88	m_e mb	5.3
FUR	75.44		P	21:08:24.332		22.0		5.87		TAS		23.4	1.10	m_e mb	5.1
GEC2	74.19		P	21:08:16.940	-0.4	22.0		5.87		TAS		16.1	1.35	m_e mb	4.9

GOR1	70.95	P	21:07:58.093	-0.1	22.0	5.87	TAS	20.1	0.86	m_e	mb	5.3
GRA1	74.03	P	21:08:16.411	0.1	22.0	5.87	TAS	86.6	1.77	m_e	mb	5.5
GRA1	74.03	L	21:45:34.660				T__	601.3	19.60	a_e	Ms	4.9
GTTG	72.60	P	21:08:07.906	0.2	22.0	5.87	TAS	13.1	0.90	m_e	mb	5.1
GUNZ	73.14	P	21:08:10.940	-0.1	22.0	5.87	TAS	136.1	2.86	m_e	mb	5.6
IBBN	72.38	P	21:08:06.204	0.3	22.0	5.87	TAS	27.7	1.09	m_e	mb	5.3
MANZ	73.54	P	21:08:13.026	0.2	22.0	5.87	TAS	17.2	1.51	m_e	mb	4.9
MOX	73.05	P	21:08:10.118	-0.1	22.0	5.87	TAS	18.3	1.37	m_e	mb	5.0
MOX	73.05	L	21:44:34.708				T__	623.0	20.90	a_e	Ms	4.9
NRDL	71.69	P	21:08:02.135	0.3	22.0	5.87	TAS	12.2	1.29	m_e	mb	4.9
PLN	73.07	P	21:08:10.291	-0.1	22.0	5.87	TAS	27.4	1.69	m_e	mb	5.1
RETH	71.63	P	21:08:01.996	-0.1	22.0	5.87	TAS	51.4	1.66	m_e	mb	5.4
ROTZ	73.72	P	21:08:14.432	0.5	22.0	5.87	TAS	20.2	1.41	m_e	mb	5.0
STU	75.37	P	21:08:23.485		22.0	5.87	TAS	54.1	1.68	m_e	mb	5.3
TANN	73.06	P	21:08:10.270	0.2	22.0	5.87	TAS	143.6	2.25	m_e	mb	5.7
TNS	74.19	P	21:08:16.994	-0.4	22.0	5.87	TAS	22.6	1.21	m_e	mb	5.1
UBBA	73.27	P	21:08:11.368	0.1	22.0	5.87	TAS	36.9	1.72	m_e	mb	5.2
UBR	76.18	P	21:08:28.289		22.0	5.87	TAS	39.7	1.43	m_e	mb	5.3
WERN	73.20	P	21:08:11.322	0.4	22.0	5.87	TAS	12.6	0.99	m_e	mb	5.0
WET	74.12	P	21:08:17.012	0.1	22.0	5.87	TAS	29.0	1.35	m_e	mb	5.1
WLF	75.21	P	21:08:22.941	-0.3	22.0	5.87	TAS			m_e		

Event 30305004 New Britain, Papua New Guinea, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/05	06:06:35.00			-5.2500	152.5500				28.2					124.22	125.03	m i ke	NEIC
OrigID 30305058																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.6		BGR	30305010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	125.03		PKPdf	06:25:32.504		52.5		1.20		TAS				m_e		
GRA1	125.03		L	07:21:23.508						T__		1561.2	21.50	a_e	Ms	5.6
MOX	124.22		L	07:22:33.092						T__		1135.3	20.90	a_e	Ms	5.5

Event 30305005 Eastern Siberia, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/05	08:34:00.21			67.8240	140.7900				16.9				33	51.88	59.02	m i ke	BGR
OrigID 30305011																	

Magnitude	Err	Nsta	Author	OrigID

mb	5.5	BGR	30305011
Ms	4.4	BGR	30305011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	56.98		P	08:43:42.733	0.2	20.4		7.12		TAS		62.6	1.23	m_e	mb 5.5
ASSE	54.71		P	08:43:26.474	-0.5	20.4		7.12		TAS		61.4	1.15	m_e	mb 5.5
BFO	58.80		P	08:43:55.171		20.4		7.12		TAS		40.7	1.04	m_e	mb 5.4
BRG	55.15		P	08:43:29.359	-0.0	20.4		7.12		TAS		22.7	1.09	m_e	mb 5.1
BSEG	53.10		P	08:43:15.133	0.1	20.4		7.12		TAS		69.8	1.30	m_e	mb 5.4
BUG	56.09		P	08:43:36.266	-0.3	20.4		7.12		TAS		91.0	1.22	m_e	mb 5.7
CLL	54.96		P	08:43:27.914	0.4	20.4		7.12		TAS		88.4	1.03	m_e	mb 5.7
CLZ	55.05		P	08:43:29.360	-0.2	20.4		7.12		TAS		63.3	1.15	m_e	mb 5.5
FBE	55.24		P	08:43:30.300	-0.5	20.4		7.12		TAS		51.1	1.25	m_e	mb 5.4
FLT1	54.40		P	08:43:23.649	0.2	20.4		7.12		TAS		23.6	1.52	m_e	mb 5.0
FUR	58.30		P	08:43:52.063	-0.3	20.4		7.12		TAS		71.4	1.02	m_e	mb 5.6
GEC2	57.09		P	08:43:43.718	-0.2	20.4		7.12		TAS		45.5	1.11	m_e	mb 5.4
GOR1	53.77		P	08:43:20.156	-0.7	20.4		7.12		TAS		68.5	1.11	m_e	mb 5.6
GRA1	56.88		P	08:43:42.285	0.3	20.4		7.12		TAS		64.0	1.29	m_e	mb 5.5
GRA1	56.88		pP	08:43:46.938						T__				m_e	
GRA1	56.88		L	09:08:39.685						T__		294.1	21.70	a_e	Ms 4.3
GTTG	55.42		P	08:43:31.630	0.1	20.4		7.12		TAS		128.6	1.74	m_e	mb 5.7
GUNZ	55.99		P	08:43:36.040	0.3	20.4		7.12		TAS		69.3	0.99	m_e	mb 5.6
IBBN	55.17		P	08:43:29.345	-0.3	20.4		7.12		TAS		85.1	1.78	m_e	mb 5.5
MANZ	56.40		P	08:43:38.590	0.3	20.4		7.12		TAS		29.1	1.22	m_e	mb 5.2
MOX	55.90		P	08:43:35.089	0.1	20.4		7.12		TAS		65.3	1.06	m_e	mb 5.6
MOX	55.90		L	09:12:07.106						T__		309.8	18.50	a_e	Ms 4.4
NEUB	55.35		P	08:43:30.680	0.1	20.4		7.12		TAS		55.3	1.15	m_e	mb 5.5
NRDL	54.50		P	08:43:24.900	-0.1	20.4		7.12		TAS		53.5	1.20	m_e	mb 5.4
PLN	55.92		P	08:43:35.411	0.3	20.4		7.12		TAS		80.6	1.06	m_e	mb 5.7
RETH	54.43		P	08:43:24.566	-0.1	20.4		7.12		TAS		73.8	1.22	m_e	mb 5.6
RGN	51.88		P	08:43:06.325	-0.1	20.4		7.12		TAS		185.1	1.17	m_e	mb 5.9
ROTZ	56.58		P	08:43:40.180	0.2	20.4		7.12		TAS		43.5	1.17	m_e	mb 5.4
RUE	53.69		P	08:43:19.237	0.3	20.4		7.12		TAS		65.9	1.24	m_e	mb 5.5
STU	58.20		P	08:43:51.232	-0.5	20.4		7.12		TAS		56.6	1.03	m_e	mb 5.5
TANN	55.92		P	08:43:35.334	0.2	20.4		7.12		TAS		141.5	1.44	m_e	mb 5.8
TNS	56.99		P	08:43:42.864	0.3	20.4		7.12		TAS		51.3	1.31	m_e	mb 5.4
UBBA	56.09		P	08:43:36.038	-0.0	20.4		7.12		TAS		65.6	1.81	m_e	mb 5.4
UBR	59.02		P	08:43:56.978		20.4		7.12		TAS		31.2	1.06	m_e	mb 5.3
WERN	56.06		P	08:43:36.527	0.2	20.4		7.12		TAS		63.7	0.98	m_e	mb 5.6
WET	57.01		P	08:43:43.269	0.3	20.4		7.12		TAS		73.3	1.91	m_e	mb 5.4

Event 30305006 Vanuatu Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/05	11:40:18.80			-19.3600	167.7700				15.1			16		143.42	146.65	m i ke	NEIC
30305060																	

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	145.31		PKPbc	11:59:55.937		40.2		3.27		TAS				m_e		
BFO	146.65		PKPbc	11:59:59.787		40.2		3.27		TAS				m_e		
BUG	144.49		PKPbc	11:59:52.808		40.2		3.27		TAS				m_e		
FUR	145.53		PKPbc	11:59:56.945		40.2		3.27		TAS				m_e		
GRA1	144.40		PKPbc	11:59:52.955		40.2		3.27		TAS				m_e		
GUNZ	143.42		PKPbc	11:59:50.049		40.2		3.27		TAS				m_e		
IBBN	143.60		PKPbc	11:59:49.948		40.2		3.27		TAS				m_e		
MANZ	143.80		PKPbc	11:59:51.022		40.2		3.27		TAS				m_e		
MOX	143.50		PKPbc	11:59:49.642		40.2		3.27		TAS				m_e		
ROTZ	143.92		PKPbc	11:59:51.536		40.2		3.27		TAS				m_e		
STU	145.95		PKPbc	11:59:58.159		40.2		3.27		TAS				m_e		
TNS	145.08		PKPbc	11:59:55.453		40.2		3.27		TAS				m_e		
UBBA	144.01		PKPbc	11:59:51.365		40.2		3.27		TAS				m_e		
UBR	146.41		PKPbc	11:59:59.245		40.2		3.27		TAS				m_e		
WERN	143.46		PKPbc	11:59:50.171		40.2		3.27		TAS				m_e		
WLF	146.37		PKPbc	11:59:59.786		40.2		3.27		TAS				m_e		

Event 30305007 Ryukyu Islands, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
OrigID																	
2013/03/05	20:32:44.74			27.4970	128.6770				33.0			34		81.28	87.78	m i ke	BGR
30305013																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.7		BGR	30305013
Ms	5.0		BGR	30305013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	86.76		P	20:45:25.672	0.0	52.2		5.01		TAS		33.5	1.32	m_e	mb	5.3
ASSE	84.00		P	20:45:10.461	0.0	52.2		5.01		TAS		124.5	1.79	m_e	mb	5.8
BFO	87.56		P	20:45:27.885	-0.5	52.2		5.01		TAS		34.7	1.56	m_e	mb	5.4
BRG	83.12		P	20:45:05.923	-0.1	52.2		5.01		TAS		25.0	1.06	m_e	mb	5.4
BSEG	83.06		P	20:45:05.872	0.2	52.2		5.01		TAS		89.7	0.96	m_e	mb	6.0
BUG	86.08		P	20:45:19.929	0.6	52.2		5.01		TAS		51.3	1.56	m_e	mb	5.4
CLZ	84.33		P	20:45:12.328	-0.1	52.2		5.01		TAS		128.0	1.04	m_e	mb	6.1
FBE	83.39		P	20:45:07.623	-0.2	52.2		5.01		TAS		72.1	1.15	m_e	mb	5.8
FLT1	83.60		P	20:45:08.249	0.0	52.2		5.01		TAS		79.6	0.99	m_e	mb	5.9
FUR	86.13		P	20:45:21.746	0.4	52.2		5.01		TAS		103.2	1.09	m_e	mb	5.9
GEC2	84.43		P	20:45:12.526	-0.8	52.2		5.01		TAS		35.7	1.22	m_e	mb	5.5
GOR1	83.17		P	20:45:06.618	0.4	52.2		5.01		TAS		177.0	1.14	m_e	mb	6.2
GRA1	85.22		P	20:45:17.124	-0.2	52.2		5.01		TAS		106.5	1.21	m_e	mb	5.9
GRA1	85.22		L	21:27:25.369						T__		649.8	18.80	a_e	Ms	5.0

GTTG	84.71	P	20:45:13.744	-0.3	52.2	5.01	TAS	106.8	0.93	m_e	mb	6.1
GUNZ	84.25	P	20:45:11.848	-0.0	52.2	5.01	TAS	57.6	1.00	m_e	mb	5.8
HLG	84.02	P	20:45:10.469	0.1	52.2	5.01	TAS	91.6	1.22	m_e	mb	5.9
IBBN	85.28	P	20:45:16.650	-0.9	52.2	5.01	TAS	81.4	1.02	m_e	mb	5.9
MANZ	84.59	P	20:45:13.130	0.2	52.2	5.01	TAS	40.1	1.12	m_e	mb	5.6
MOX	84.44	P	20:45:11.891	-0.3	52.2	5.01	TAS	26.4	1.09	m_e	mb	5.4
MOX	84.44	L	21:27:02.560				T__	478.6	18.10	a_e	Ms	4.9
NEUB	84.03	P	20:45:10.714	0.2	52.2	5.01	TAS	98.2	0.96	m_e	mb	6.0
NRDL	84.05	P	20:45:10.843	-0.1	52.2	5.01	TAS	61.8	1.25	m_e	mb	5.7
PLN	84.26	P	20:45:11.529	0.1	52.2	5.01	TAS	36.0	1.08	m_e	mb	5.5
RETH	84.25	P	20:45:11.661	-0.2	52.2	5.01	TAS	77.2	1.11	m_e	mb	5.8
RGN	81.28	P	20:44:56.662	-0.1	52.2	5.01	TAS	90.0	0.98	m_e	mb	5.8
ROTZ	84.67	P	20:45:14.013	-0.0	52.2	5.01	TAS	63.3	1.05	m_e	mb	5.8
RUE	82.27	P	20:45:01.841	0.1	52.2	5.01	TAS	60.8	1.02	m_e	mb	5.7
STU	86.84	P	20:45:24.734	-0.1	52.2	5.01	TAS	36.6	1.27	m_e	mb	5.4
TANN	84.15	P	20:45:11.097	0.1	52.2	5.01	TAS	68.2	1.25	m_e	mb	5.7
TNS	86.29	P	20:45:22.340	1.4	52.2	5.01	TAS	23.2	1.25	m_e	mb	5.2
UBBA	85.14	P	20:45:15.900	0.5	52.2	5.01	TAS	18.7	1.02	m_e	mb	5.3
UBR	87.05	P	20:45:25.667	-0.4	52.2	5.01	TAS	54.1	1.15	m_e	mb	5.6
WERN	84.27	P	20:45:11.875	0.2	52.2	5.01	TAS	68.9	1.06	m_e	mb	5.8
WET	84.69	P	20:45:13.921	-0.2	52.2	5.01	TAS	21.5	1.20	m_e	mb	5.3
WLF	87.78	P	20:45:28.923		52.2	5.01	TAS			m_e		

Event 30305008 Crete, Greece

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/05	21:42:10.20			34.6000	24.1400				46.4			9		16.20	21.64	m i ke	NEIC
	30305062																

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	30305014
Ms	3.4		BGR	30305014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BSEG	21.64		P	21:46:54.622		143.0		11.22		TAS		42.7	1.28	m_e	mb	4.7
FLT1	19.99		P	21:46:38.564		143.0		11.22		TAS		24.2	1.05	m_e	mb	4.4
FUR	16.61		P	21:46:00.489	-2.1	143.0		11.22		TAS		317.5	2.53	m_e	mb	5.0
GEC2	16.20		P	21:45:57.635	0.9	143.0		11.22		TAS		24.0	1.45	m_e	mb	4.1
GRA1	17.82		P	21:46:15.090	1.1	143.0		11.22		TAS		70.0	1.55	m_e	mb	4.6
GRA1	17.82		L	21:53:33.347						T__		274.1	20.30	a_e	Ms	3.5
MOX	18.45		L	21:54:20.356						T__		193.6	21.50	a_e	Ms	3.4
RETH	20.97		P	21:46:49.634		143.0		11.22		TAS		29.9	1.08	m_e	mb	4.5
TANN	17.96		P	21:46:17.164		143.0		11.22		TAS		27.5	1.30	m_e	mb	4.2
WET	16.75		P	21:46:03.542	0.3	143.0		11.22		TAS		32.2	1.37	m_e	mb	4.3
WLF	20.04		P	21:46:41.951		143.0		11.22		TAS				m_e		

Event 30306002 Near Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/06	03:31:09.30			51.8300	170.5800				15.0			14		72.31	77.78	m i ke	NEIC
OrigID 30306056																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	30306008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	75.04		P	03:42:50.464	0.1	13.2		5.86		TAS		30.0	1.77	m_e	mb	5.0
BRG	75.78		P	03:42:54.591	0.0	13.2		5.86		TAS		18.2	1.48	m_e	mb	5.0
CLZ	75.36		P	03:42:52.720	-0.1	13.2		5.86		TAS		16.0	1.11	m_e	mb	5.0
FLT1	74.77		P	03:42:48.428	-0.2	13.2		5.86		TAS		6.5	1.13	m_e	mb	4.6
GEC2	77.78		P	03:43:06.507		13.2		5.86		TAS		7.0	1.05	m_e	mb	4.7
GRA1	77.34		P	03:43:04.019		13.2		5.86		TAS		22.3	1.24	m_e	mb	5.2
GUNZ	76.52		P	03:42:59.254		13.2		5.86		TAS		7.7	1.15	m_e	mb	4.7
IBBN	75.23		P	03:42:51.726	0.2	13.2		5.86		TAS		10.5	0.74	m_e	mb	5.0
MANZ	76.92		P	03:43:01.380		13.2		5.86		TAS		7.0	1.06	m_e	mb	4.7
MOX	76.36		P	03:42:58.028		13.2		5.86		TAS		10.0	1.08	m_e	mb	4.9
NRDL	74.76		P	03:42:48.709	-0.2	13.2		5.86		TAS		9.6	1.19	m_e	mb	4.7
RGN	72.31		P	03:42:34.740	0.2	13.2		5.86		TAS		18.7	0.73	m_e	mb	5.3
WERN	76.59		P	03:42:59.738		13.2		5.86		TAS		15.6	0.98	m_e	mb	5.1
WET	77.62		P	03:43:05.753		13.2		5.86		TAS		14.9	1.48	m_e	mb	4.9

Event 30306003 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/06	03:57:01.50			-23.9700	178.9600				543.4			23		148.88	152.77	m i ke	NEIC
OrigID 30306057																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	150.49		PKPbc	04:15:51.461	0.1	20.4		2.18		TAS				m_e	
BRG	150.74		PKPbc	04:15:52.226	0.1	20.4		2.18		TAS				m_e	
BSEG	148.88		PKPbc	04:15:47.698	-0.1	20.4		2.18		TAS				m_e	
BUG	151.84		PKPbc	04:15:53.649	0.0	20.4		2.18		TAS				m_e	
CLZ	150.83		PKPbc	04:15:52.544	0.2	20.4		2.18		TAS				m_e	
FBE	150.88		PKPbc	04:15:52.769	0.3	20.4		2.18		TAS				m_e	
FLT1	150.17		PKPbc	04:15:50.521	0.1	20.4		2.18		TAS				m_e	
GEC2	152.58		PKPbc	04:15:56.098		20.4		2.18		TAS				m_e	
GOR1	149.54		PKPbc	04:15:49.411	0.0	20.4		2.18		TAS				m_e	

GRA1	152.59	PKPbc	04:15:56.242		20.4		2.18	TAS		m_e
GRA1	152.59	PKPab	04:16:09.877					T__		m_e
GTTG	151.19	PKPbc	04:15:53.232	-0.2	20.4		2.18	TAS		m_e
GUNZ	151.67	PKPbc	04:15:54.458	0.1	20.4		2.18	TAS		m_e
HLG	149.09	PKPbc	04:15:48.274	-0.3	20.4		2.18	TAS		m_e
IBBN	150.92	PKPbc	04:15:52.356	-0.1	20.4		2.18	TAS		m_e
MANZ	152.07	PKPbc	04:15:55.194		20.4		2.18	TAS		m_e
MOX	151.62	PKPbc	04:15:53.794	0.0	20.4		2.18	TAS		m_e
NEUB	151.07	PKPbc	04:15:52.920	-0.6	20.4		2.18	TAS		m_e
NRDL	150.28	PKPbc	04:15:50.987	0.1	20.4		2.18	TAS		m_e
PLN	151.61	PKPbc	04:15:54.071	0.1	20.4		2.18	TAS		m_e
RETH	150.20	PKPbc	04:15:50.718	-0.2	20.4		2.18	TAS		m_e
RUE	149.38	PKPbc	04:15:48.899	0.1	20.4		2.18	TAS		m_e
TANN	151.59	PKPbc	04:15:54.064	0.2	20.4		2.18	TAS		m_e
TNS	152.77	PKPbc	04:15:56.451		20.4		2.18	TAS		m_e

Event 30306004 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/06	09:16:05.18			-21.1330	172.6280				33.0			11		144.58	147.91	m i ke	BGR
OrigID 30306010																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	145.93		PKPbc	09:35:41.036	0.0	34.0		2.80		TAS					m_e
BSEG	144.58		PKPbc	09:35:37.333	0.1	34.0		2.80		TAS					m_e
FLT1	145.69		PKPbc	09:35:40.266	0.1	34.0		2.80		TAS					m_e
GEC2	147.62		PKPbc	09:35:45.593		34.0		2.80		TAS					m_e
GRA1	147.91		PKPbc	09:35:46.478		34.0		2.80		TAS					m_e
MOX	146.97		PKPbc	09:35:43.862		34.0		2.80		TAS					m_e
NEUB	146.46		PKPbc	09:35:42.278		34.0		2.80		TAS					m_e
ROTZ	147.48		PKPbc	09:35:45.085		34.0		2.80		TAS					m_e
TANN	146.86		PKPbc	09:35:43.863		34.0		2.80		TAS					m_e
UBBA	147.38		PKPbc	09:35:45.132		34.0		2.80		TAS					m_e
WERN	146.99		PKPbc	09:35:44.013		34.0		2.80		TAS					m_e

Event 30306007 Andreanof Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/06	11:50:04.12			52.9750	-175.4270				33.0			12		73.35	79.02	m i ke	BGR
OrigID 30306013																	

Magnitude Err Nsta Author OrigID
mb 4.9 BGR 30306013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	76.84		P	12:01:50.880		4.1		5.61		TAS		13.7	0.90	m_e	mb 5.1
BFO	79.02		P	12:02:02.469		4.1		5.61		TAS		7.9	0.90	m_e	mb 4.7
BRG	76.23		P	12:01:47.062		4.1		5.61		TAS		7.4	0.81	m_e	mb 4.9
BSEG	73.35		P	12:01:31.033	0.4	4.1		5.61		TAS		6.4	0.88	m_e	mb 4.8
CLZ	75.44		P	12:01:43.274	0.1	4.1		5.61		TAS		10.7	0.88	m_e	mb 4.9
FLT1	74.92		P	12:01:39.532	0.3	4.1		5.61		TAS		6.5	0.51	m_e	mb 4.9
GRA1	77.55		P	12:01:55.058		4.1		5.61		TAS		17.8	0.64	m_e	mb 5.3
MANZ	77.22		P	12:01:52.717		4.1		5.61		TAS		3.3	0.95	m_e	mb 4.4
MOX	76.58		P	12:01:49.304		4.1		5.61		TAS		6.3	0.88	m_e	mb 4.8
NEUB	76.03		P	12:01:46.235		4.1		5.61		TAS		15.4	0.92	m_e	mb 5.1
WERN	76.90		P	12:01:51.334		4.1		5.61		TAS		12.0	1.29	m_e	mb 4.9
WET	78.01		P	12:01:57.383		4.1		5.61		TAS		12.2	1.37	m_e	mb 4.9

Event 30306012 France

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/06	22:40:57.00	1.85	0.79	46.1500	-1.6300	70.0	15.6	162	2.0			7	353	6.92	7.12	m i ke	LDG
OrigID 30306056																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BERGE	6.92		Sn	22:43:53.982						T__				m_e	
BERGE	6.92		Sg	22:44:37.460	0.6					T__				m_e	
BFO	7.12		Sg	22:44:43.495	1.0					T__				m_e	
BFO	7.12		Pg	22:43:14.411						T__				m_e	

Event 30307002 Turkey

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/07	03:21:14.50			38.5200	43.8800				22.0					25.77	25.77	m i ke	NEIC
OrigID 30307041																	

Magnitude Err Nsta Author OrigID
mb 4.5 BGR 30307008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	25.77		P	03:26:45.100		103.2		9.77		TAS		16.6	1.31	m_e	mb 4.5

Event 30307003 Taiwan region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/07	03:36:47.41			23.4790	122.3610				33.0			32		82.27	87.84	m i ke	BGR
OrigID 30307009																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.7		BGR	30307009
Ms	5.2		BGR	30307009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	86.86		P	03:49:28.028		59.2		5.02		TAS		50.8	1.52	m_e	mb 5.4
ASSE	84.10		P	03:49:13.853	-0.1	59.2		5.02		TAS		103.8	2.05	m_e	mb 5.7
BFO	87.39		P	03:49:29.511		59.2		5.02		TAS		91.5	2.03	m_e	mb 5.6
BRG	82.95		P	03:49:07.869	0.1	59.2		5.02		TAS		30.0	1.16	m_e	mb 5.4
BSEG	83.36		P	03:49:10.143	-0.1	59.2		5.02		TAS		38.1	1.13	m_e	mb 5.5
BUG	86.26		P	03:49:24.739	-0.1	59.2		5.02		TAS		61.3	1.12	m_e	mb 5.6
CLZ	84.41		P	03:49:15.951	0.2	59.2		5.02		TAS		86.8	1.21	m_e	mb 5.9
FBE	83.26		P	03:49:09.831	0.1	59.2		5.02		TAS		61.4	1.02	m_e	mb 5.8
FLT1	83.70		P	03:49:11.361	-0.1	59.2		5.02		TAS		106.6	1.87	m_e	mb 5.8
FUR	85.81		P	03:49:23.142	-0.2	59.2		5.02		TAS		180.0	1.06	m_e	mb 6.1
GEC2	84.07		P	03:49:13.944	-0.1	59.2		5.02		TAS		54.0	1.10	m_e	mb 5.7
GOR1	83.33		P	03:49:10.145	-0.6	59.2		5.02		TAS		93.7	1.19	m_e	mb 5.9
GRA1	85.06		P	03:49:19.117	0.6	59.2		5.02		TAS		96.5	1.56	m_e	mb 5.8
GRA1	85.06		PP	03:52:31.734		58.0		7.55		TAS				m_e	
GRA1	85.06		L	04:28:49.092						T__		831.3	18.00	a_e	Ms 5.2
GTTG	84.78		P	03:49:17.726	0.1	59.2		5.02		TAS		87.1	1.15	m_e	mb 5.9
GUNZ	84.10		P	03:49:14.007	0.0	59.2		5.02		TAS		121.9	1.93	m_e	mb 5.8
IBBN	85.53		P	03:49:21.194	0.1	59.2		5.02		TAS		152.2	1.93	m_e	mb 5.8
MANZ	84.41		P	03:49:15.701	0.0	59.2		5.02		TAS		37.9	1.26	m_e	mb 5.5
MOX	84.35		P	03:49:15.123	0.4	59.2		5.02		TAS		54.7	1.65	m_e	mb 5.5
MOX	84.35		L	04:31:55.195						T__		1161.2	18.00	a_e	Ms 5.3
NEUB	83.99		P	03:49:13.280	0.1	59.2		5.02		TAS		64.9	1.09	m_e	mb 5.8
NRDL	84.21		P	03:49:14.709	0.2	59.2		5.02		TAS		82.6	1.83	m_e	mb 5.7
PLN	84.13		P	03:49:14.076	-0.1	59.2		5.02		TAS		23.6	1.08	m_e	mb 5.3
RETH	84.47		P	03:49:15.831	-0.1	59.2		5.02		TAS		22.5	1.08	m_e	mb 5.3
ROTZ	84.47		P	03:49:16.051	0.3	59.2		5.02		TAS		51.1	1.14	m_e	mb 5.7
RUE	82.27		P	03:49:04.521	-0.4	59.2		5.02		TAS		93.1	1.02	m_e	mb 5.9
STU	86.67		P	03:49:26.732	-1.0	59.2		5.02		TAS		46.8	1.17	m_e	mb 5.5
TANN	84.00		P	03:49:13.361	0.0	59.2		5.02		TAS		113.2	1.83	m_e	mb 5.8
TNS	86.30		P	03:49:25.163	0.2	59.2		5.02		TAS		88.7	2.14	m_e	mb 5.5
UBBA	85.14		P	03:49:19.136	-0.1	59.2		5.02		TAS		61.7	1.74	m_e	mb 5.6
UBR	86.73		P	03:49:27.157	0.1	59.2		5.02		TAS		50.0	1.03	m_e	mb 5.6
WERN	84.11		P	03:49:14.095	0.2	59.2		5.02		TAS		42.6	1.13	m_e	mb 5.6
WET	84.40		P	03:49:15.711	0.1	59.2		5.02		TAS		39.3	1.21	m_e	mb 5.5
WLF	87.84		P	03:49:32.892		59.2		5.02		TAS				m_e	

Event 30307008 Vanuatu Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/07	20:55:50.57			-20.1930	169.9540				239.9			26		144.02	148.26	m i ke	BGR
OrigID 30307014																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	146.82		PKPbc	21:15:03.321		34.8		3.27		TAS					m_e
BFO	148.26		PKPbc	21:15:07.451		34.8		3.27		TAS					m_e
BRG	144.02		PKPbc	21:14:53.857	0.1	34.8		3.27		TAS					m_e
BUG	145.98		PKPbc	21:15:00.394	-0.6	34.8		3.27		TAS					m_e
CLL	144.06		PKPbc	21:14:53.899	0.3	34.8		3.27		TAS					m_e
CLZ	144.61		PKPbc	21:14:56.210	0.1	34.8		3.27		TAS					m_e
FBE	144.22		PKPbc	21:14:54.837	-0.2	34.8		3.27		TAS					m_e
FUR	147.21		PKPbc	21:15:04.920		34.8		3.27		TAS					m_e
GRA1	146.04		PKPbc	21:15:01.204		34.8		3.27		TAS					m_e
GRA1	146.04		pPKPbc	21:16:01.486						T__					m_e
GRA1	146.04		PP	21:18:22.608		51.7		5.75		TAS					m_e
GTTG	145.00		PKPbc	21:14:57.628	-0.0	34.8		3.27		TAS					m_e
GUNZ	145.06		PKPbc	21:14:58.096	-0.2	34.8		3.27		TAS					m_e
IBBN	145.08		PKPbc	21:14:57.490	0.3	34.8		3.27		TAS					m_e
MANZ	145.45		PKPbc	21:14:59.224	0.0	34.8		3.27		TAS					m_e
MOX	145.12		PKPbc	21:14:57.901	0.0	34.8		3.27		TAS					m_e
NEUB	144.63		PKPbc	21:14:55.918	0.2	34.8		3.27		TAS					m_e
PLN	145.04		PKPbc	21:14:57.700	0.1	34.8		3.27		TAS					m_e
RETH	144.20		PKPbc	21:14:54.556	0.4	34.8		3.27		TAS					m_e
ROTZ	145.58		PKPbc	21:14:59.781	0.1	34.8		3.27		TAS					m_e
STU	147.57		PKPbc	21:15:05.836		34.8		3.27		TAS					m_e
TANN	144.97		PKPbc	21:14:57.564	0.3	34.8		3.27		TAS					m_e
TNS	146.63		PKPbc	21:15:02.993		34.8		3.27		TAS					m_e
UBBA	145.59		PKPbc	21:14:59.242	0.3	34.8		3.27		TAS					m_e
UBR	148.08		PKPbc	21:15:07.119		34.8		3.27		TAS					m_e
WERN	145.11		PKPbc	21:14:58.279	0.3	34.8		3.27		TAS					m_e
WET	145.78		PKPbc	21:15:00.321	-0.5	34.8		3.27		TAS					m_e
WLF	147.88		PKPbc	21:15:07.107		34.8		3.27		TAS					m_e

Event 30308007 Tonga Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/08	20:43:25.47			-22.1600	-173.6500				35.2	2.8		28		148.13	154.36	m i ke	BGR
OrigID																	

30308013

Magnitude Err Nsta Author OrigID
 Ms 4.9 BGR 30308013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	151.67		PKPbc	21:03:16.837	0.3	8.0		2.43		TAS				m_e	
AHRW	151.67		pPKPbc	21:03:26.581		3.9		2.47		TAS				m_e	
ASSE	149.90		PKPbc	21:03:11.701	0.1	8.0		2.43		TAS				m_e	
BFO	153.84		PKPbc	21:03:20.852		8.0		2.43		TAS				m_e	
BFO	153.84		pPKPbc	21:03:31.471		3.9		2.47		TAS				m_e	
BRG	150.73		PKPbc	21:03:13.912	-0.3	8.0		2.43		TAS				m_e	
BSEG	148.13		PKPbc	21:03:06.859	-0.4	8.0		2.43		TAS				m_e	
BUG	150.76		PKPbc	21:03:13.511	-0.2	8.0		2.43		TAS				m_e	
CLL	150.45		PKPbc	21:03:12.943	0.2	8.0		2.43		TAS				m_e	
CLL	150.45		pPKPbc	21:03:23.748	0.3	3.9		2.47		TAS				m_e	
CLZ	150.21		PKPbc	21:03:12.584	0.2	8.0		2.43		TAS				m_e	
FBE	150.78		PKPbc	21:03:14.392	0.2	8.0		2.43		TAS				m_e	
FBE	150.78		pPKPbc	21:03:24.980		3.9		2.47		TAS				m_e	
FLT1	149.65		PKPbc	21:03:10.689	-0.1	8.0		2.43		TAS				m_e	
FLT1	149.65		pPKPbc	21:03:21.326	0.1	3.9		2.47		TAS				m_e	
FUR	153.76		PKPbc	21:03:20.721		8.0		2.43		TAS				m_e	
GRA1	152.25		PKPbc	21:03:17.571	-0.4	8.0		2.43		TAS				m_e	
GRA1	152.25		L	22:16:20.377						T__		146.9	18.90	a_e Ms	4.8
GTTG	150.53		PKPbc	21:03:13.194	0.0	8.0		2.43		TAS				m_e	
GUNZ	151.46		PKPbc	21:03:15.860	-0.1	8.0		2.43		TAS				m_e	
GUNZ	151.46		pPKPbc	21:03:26.607		3.9		2.47		TAS				m_e	
IBBN	149.89		PKPbc	21:03:11.608	0.8	8.0		2.43		TAS				m_e	
MANZ	151.86		PKPbc	21:03:16.657	0.1	8.0		2.43		TAS				m_e	
MANZ	151.86		pPKPbc	21:03:27.361		3.9		2.47		TAS				m_e	
MOX	151.27		PKPbc	21:03:15.063	0.1	8.0		2.43		TAS				m_e	
MOX	151.27		pPKPbc	21:03:25.724		3.9		2.47		TAS				m_e	
MOX	151.27		L	22:10:08.443						T__		181.6	18.90	a_e Ms	4.9
NEUB	150.71		PKPbc	21:03:13.681	0.0	8.0		2.43		TAS				m_e	
NEUB	150.71		pPKPbc	21:03:24.417	-0.3	3.9		2.47		TAS				m_e	
NRDL	149.58		PKPbc	21:03:10.747	0.5	8.0		2.43		TAS				m_e	
ROTZ	152.06		PKPbc	21:03:17.074	0.1	8.0		2.43		TAS				m_e	
ROTZ	152.06		pPKPbc	21:03:27.703		3.9		2.47		TAS				m_e	
RUE	149.20		PKPbc	21:03:09.689	-0.2	8.0		2.43		TAS				m_e	
STU	153.35		PKPbc	21:03:19.857	-0.6	8.0		2.43		TAS				m_e	
TANN	151.39		PKPbc	21:03:15.583	0.5	8.0		2.43		TAS				m_e	
TANN	151.39		pPKPbc	21:03:26.317		3.9		2.47		TAS				m_e	
TNS	151.94		PKPbc	21:03:16.707	-0.5	8.0		2.43		TAS				m_e	
UBR	154.36		PKPbc	21:03:21.936		8.0		2.43		TAS				m_e	
WERN	151.53		PKPbc	21:03:16.146	0.2	8.0		2.43		TAS				m_e	
WET	152.58		PKPbc	21:03:18.155	-0.3	8.0		2.43		TAS				m_e	
WLF	152.55		PKPbc	21:03:18.634		8.0		2.43		TAS				m_e	

Event 30309004 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/09	12:16:39.66			43.8270	144.4670				104.7			12		76.08	78.31	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	30309010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	76.43		P	12:28:16.566	-0.3	32.5		5.53		TAS		23.0	1.13	m_e mb	5.2
CLZ	76.78		P	12:28:18.194	0.1	32.5		5.53		TAS		63.7	1.45	m_e mb	5.5
FBE	76.53		P	12:28:16.623	0.1	32.5		5.53		TAS		24.1	1.04	m_e mb	5.3
FLT1	76.08		P	12:28:13.494	-0.5	32.5		5.53		TAS		30.9	0.92	m_e mb	5.4
GRA1	78.31		P	12:28:26.391		32.5		5.53		TAS		21.8	0.79	m_e mb	5.3
GRA1	78.31		pP	12:28:53.184						T__				m_e	
GUNZ	77.35		P	12:28:21.074		32.5		5.53		TAS		8.8	0.73	m_e mb	5.0
IBBN	77.22		P	12:28:19.997		32.5		5.53		TAS		31.4	0.88	m_e mb	5.5
MOX	77.37		P	12:28:20.821		32.5		5.53		TAS		16.0	1.33	m_e mb	5.0
NEUB	76.85		P	12:28:17.802		32.5		5.53		TAS		34.8	0.92	m_e mb	5.5
PLN	77.31		P	12:28:20.778		32.5		5.53		TAS				m_e	
RETH	76.35		P	12:28:15.442	-0.0	32.5		5.53		TAS		32.3	1.14	m_e mb	5.4
WET	78.17		P	12:28:25.651		32.5		5.53		TAS				m_e	

Event 30309005 Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/09	14:16:50.50			49.2200	156.3200				22.0			11		74.56	78.97	m i ke	NEIC

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	30309011

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	78.97		P	14:28:52.452		22.6		5.78		TAS		6.6	0.77	m_e mb	4.7
CLZ	75.22		P	14:28:31.791	0.0	22.6		5.78		TAS		8.2	0.95	m_e mb	4.7
FLT1	74.56		P	14:28:26.866	0.5	22.6		5.78		TAS		11.4	1.08	m_e mb	4.8
GRA1	77.00		P	14:28:42.085		22.6		5.78		TAS		14.5	0.87	m_e mb	5.1
GRA3	76.91		P	14:28:41.838		22.6		5.78		TAS		15.2	0.97	a_e mb	5.1
GUNZ	76.10		P	14:28:36.669		22.6		5.78		TAS		5.6	0.92	m_e mb	4.7
PLN	76.03		P	14:28:36.110		22.6		5.78		TAS		4.8	0.90	m_e mb	4.6
ROTZ	76.68		P	14:28:39.913		22.6		5.78		TAS		9.1	1.05	m_e mb	4.8
TNS	77.17		P	14:28:42.628		22.6		5.78		TAS		13.3	0.70	m_e mb	5.2
WERN	76.16		P	14:28:36.989		22.6		5.78		TAS		8.0	0.94	m_e mb	4.8

WET 77.08 P 14:28:42.503 22.6 5.78 TAS 10.7 0.92 m_e mb 5.0

Event 30309006 Northwest of Kuril Islands, Russia

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
2013/03/09 14:56:34.71 51.4900 155.9710 33.0 28 71.08 76.96 m i ke BGR
30309012

Magnitude Err Nsta Author OrigID
mb 5.6 BGR 30309012
Ms 5.6 BGR 30309012

Table with columns: Sta, Dist, EvAz, Phase, Time, TRes, Azim, AzRes, Slow, SRes, Def, SNR, Amp, Per, Qual, Magnitude. It lists seismic station data for event 30309006, including station names like AHRW, ASSE, BFO, BRG, BSEG, CLZ, FBE, FLT1, FUR, GOR1, GRA1, GTTG, GUNZ, IBBN, MANZ, MOX, NEUB, NRDL, PLN, RETH, ROTZ, STU, TANN, TNS, UBBA, UBR, WERN, WET, and WLF.

Event 30309007 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/09	20:11:43.61			44.6400	143.8370				33.0			11		75.15	78.45	m i ke	BGR
OrigID 30309013																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.0		BGR	30309013
Ms	4.7		BGR	30309013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	75.43		P	20:23:22.624	-0.1	32.5		5.62		TAS		10.1	1.26	m_e	mb 4.7
CLZ	75.85		P	20:23:25.504		32.5		5.62		TAS		29.7	1.46	m_e	mb 5.2
FLT1	75.15		P	20:23:20.731	-0.1	32.5		5.62		TAS		28.7	1.31	m_e	mb 5.1
GRA1	77.38		P	20:23:33.808		32.5		5.62		TAS		27.1	1.26	m_e	mb 5.2
GRA1	77.38		L	21:01:50.686						T__		419.0	20.90	a_e	Ms 4.7
GUNZ	76.42		P	20:23:28.103		32.5		5.62		TAS		10.8	1.29	m_e	mb 4.8
MANZ	76.82		P	20:23:30.324		32.5		5.62		TAS		12.8	1.42	m_e	mb 4.9
MOX	76.44		P	20:23:28.160		32.5		5.62		TAS		27.7	1.73	m_e	mb 5.1
MOX	76.44		L	21:01:22.584						T__		404.5	21.00	a_e	Ms 4.7
PLN	76.38		P	20:23:27.997		32.5		5.62		TAS		9.5	1.31	m_e	mb 4.8
RJOB	78.45		P	20:23:39.578		32.5		5.62		TAS		63.0	2.31	m_e	mb 5.3
UBBA	76.84		P	20:23:30.096		32.5		5.62		TAS		13.3	1.52	m_e	mb 4.8
WERN	76.47		P	20:23:28.501		32.5		5.62		TAS		63.3	2.28	m_e	mb 5.3

Event 30310007 Near coast of Guatemala

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/10	10:18:22.53			13.4370	-90.5800				33.0			20		84.54	88.62	m i ke	BGR
OrigID 30310013																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.7		BGR	30310013
MBB	6.1		BGR	30310013
Ms	5.0		BGR	30310013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	84.54		P	10:30:52.642	0.1	287.6		4.82		TAS		97.8	1.41	m_e	MBB 6.2
BRG	88.62		P	10:31:11.810		287.6		4.82		TAS		63.7	1.43	m_e	MBB 5.9
BSEG	85.56		P	10:30:57.050	-0.5	287.6		4.82		TAS		360.3	2.32	m_e	MBB 6.0
CLZ	86.19		P	10:31:00.325	0.2	287.6		4.82		TAS		32.2	0.99	m_e	mb 5.4
FBE	88.25		P	10:31:10.388		287.6		4.82		TAS		77.6	1.40	m_e	MBB 6.1
FLT1	86.56		P	10:31:01.489	0.1	287.6		4.82		TAS		32.2	1.10	m_e	MBB 5.8
GRA1	87.34		P	10:31:05.929		287.6		4.82		TAS		248.0	2.43	m_e	mb 5.9
GRA1	87.34		L	11:10:28.599						T__		611.5	20.10	a_e	Ms 5.0

GTTG	86.03	P	10:30:59.317	-0.0	287.6	4.82	TAS	66.6	1.04	m_e	mb	5.7
GUNZ	87.82	P	10:31:08.041		287.6	4.82	TAS	90.7	1.64	m_e	MBB	6.0
MANZ	87.80	P	10:31:07.990		287.6	4.82	TAS	76.7	1.86	m_e	mb	5.7
MOX	87.30	P	10:31:05.488	-0.1	287.6	4.82	TAS	122.7	1.96	m_e	MBB	5.8
MOX	87.30	L	11:14:52.832				T__	562.2	19.10	a_e	Ms	5.0
NEUB	87.22	P	10:31:05.299	0.2	287.6	4.82	TAS	157.1	1.95	m_e	mb	5.8
NRDL	85.85	P	10:30:58.624	-0.4	287.6	4.82	TAS	39.0	1.21	m_e	mb	5.4
PLN	87.67	P	10:31:07.243		287.6	4.82	TAS	92.6	1.63	m_e	MBB	6.1
ROTZ	87.93	P	10:31:08.587		287.6	4.82	TAS	73.4	1.63	m_e	MBB	6.0
TANN	87.88	P	10:31:08.448		287.6	4.82	TAS	138.7	1.41	m_e	MBB	6.5
UBBA	86.26	P	10:31:00.325	-0.1	287.6	4.82	TAS	38.1	1.48	m_e	mb	5.3
UBR	87.23	P	10:31:04.803	0.2	287.6	4.82	TAS	62.4	1.14	m_e	mb	5.6
WERN	87.87	P	10:31:08.475		287.6	4.82	TAS	93.1	1.43	m_e	MBB	6.2
WET	88.54	P	10:31:11.749		287.6	4.82	TAS	103.3	1.48	m_e	MBB	6.1

Event 30310008 New Britain, Papua New Guinea, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/10	16:49:21.20			-5.3000	151.5400				72.0			26		122.21	127.03	m i ke	NEIC
OrigID 30310103																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	125.99		PKPdf	17:08:16.193		50.6		1.95		TAS					m_e
ASSE	123.26		PKPdf	17:08:10.595	0.2	50.6		1.95		TAS					m_e
BFO	126.91		PKPdf	17:08:17.235		50.6		1.95		TAS					m_e
BRG	122.47		PKPdf	17:08:09.211	-0.2	50.6		1.95		TAS					m_e
BSEG	122.21		PKPdf	17:08:08.835	0.1	50.6		1.95		TAS					m_e
CLZ	123.59		PKPdf	17:08:11.681	-0.1	50.6		1.95		TAS					m_e
FLT1	122.86		PKPdf	17:08:09.695	-0.2	50.6		1.95		TAS					m_e
FUR	125.51		PKPdf	17:08:14.873		50.6		1.95		TAS					m_e
GOR1	122.40		PKPdf	17:08:09.194	-0.3	50.6		1.95		TAS					m_e
GTTG	123.97		PKPdf	17:08:12.225	-0.4	50.6		1.95		TAS					m_e
GUNZ	123.59		PKPdf	17:08:11.468	0.2	50.6		1.95		TAS					m_e
IBBN	124.45		PKPdf	17:08:13.065	0.0	50.6		1.95		TAS					m_e
MANZ	123.94		PKPdf	17:08:12.109	-0.2	50.6		1.95		TAS					m_e
MOX	123.77		PKPdf	17:08:11.589	0.3	50.6		1.95		TAS					m_e
NEUB	123.34		PKPdf	17:08:10.699	0.1	50.6		1.95		TAS					m_e
NRDL	123.27		PKPdf	17:08:10.990	0.2	50.6		1.95		TAS					m_e
PLN	123.60		PKPdf	17:08:11.349	0.0	50.6		1.95		TAS					m_e
RJOB	124.96		PKPdf	17:08:13.436	-0.5	50.6		1.95		TAS					m_e
ROTZ	124.03		PKPdf	17:08:11.996	-0.0	50.6		1.95		TAS					m_e
STU	126.18		PKPdf	17:08:16.335		50.6		1.95		TAS					m_e
TANN	123.50		PKPdf	17:08:11.138	0.3	50.6		1.95		TAS					m_e
TNS	125.58		PKPdf	17:08:15.337		50.6		1.95		TAS					m_e

UBR	126.42	PKPdf	17:08:16.548	50.6	1.95	TAS	m_e
WERN	123.62	PKPdf	17:08:11.623	-0.1 50.6	1.95	TAS	m_e
WET	124.07	PKPdf	17:08:12.423	0.1 50.6	1.95	TAS	m_e
WLF	127.03	PKPdf	17:08:18.746	50.6	1.95	TAS	m_e

Event 30310006 Alaska Peninsula, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/10	17:11:07.26		58.7000	-154.0190					10.0					70.39	71.30	m i ke	BGR
OrigID 30310012																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	30310012
Ms	4.9		BGR	30310012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	71.30		P	17:22:25.012		348.4		5.54		TAS		11.7	1.23	m_e mb	4.9
GRA1	71.30		L	18:03:12.100						T__		726.0	21.80	a_e Ms	4.9
MOX	70.39		L	18:02:48.352						T__		710.6	21.30	a_e Ms	4.9

Event 30310009 New Britain, Papua New Guinea, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/10	22:51:51.60		-6.6500	148.1500					28.0					123.97	123.97	m i ke	NEIC
OrigID 30310104																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	123.97		PKPdf	23:10:46.753		54.9		1.13		TAS				m_e	
GRA1	123.97		pPKPdf	23:10:54.990						T__				m_e	

Event 30311002 Southern Xinjiang, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/11	03:01:33.40		39.9900	78.3500					12.5	0.7		23		45.13	50.27	m i ke	BGR
OrigID 30311008																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.6		BGR	30311008

Ms	4.8	BGR	30311008													
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	49.31		P	03:10:21.939		75.9		7.80		TAS		55.3	1.38	m_e	mb	5.4
BFO	49.31		pP	03:10:25.211		76.1		7.83		TAS				m_e		
BRG	45.13		P	03:09:49.529	-0.3	75.9		7.80		TAS		49.5	1.04	m_e	mb	5.4
BRG	45.13		pP	03:09:52.911	-0.1	76.1		7.83		TAS				m_e		
CLZ	47.10		P	03:10:05.180	-0.2	75.9		7.80		TAS		38.7	1.33	m_e	mb	5.4
CLZ	47.10		pP	03:10:08.651	-0.2	76.1		7.83		TAS				m_e		
FBE	45.48		P	03:09:52.675	-0.1	75.9		7.80		TAS		71.4	1.08	m_e	mb	5.5
FBE	45.48		pP	03:09:55.917	0.1	76.1		7.83		TAS				m_e		
FLT1	46.47		P	03:09:59.651	-0.4	75.9		7.80		TAS		57.4	1.00	m_e	mb	5.6
FLT1	46.47		pP	03:10:02.991	0.1	76.1		7.83		TAS				m_e		
FUR	47.48		P	03:10:08.540		75.9		7.80		TAS		89.9	0.86	m_e	mb	5.9
FUR	47.48		pP	03:10:11.953		76.1		7.83		TAS				m_e		
GOR1	46.29		P	03:09:59.053	0.0	75.9		7.80		TAS		122.9	1.25	m_e	mb	5.8
GOR1	46.29		pP	03:10:02.453		76.1		7.83		TAS				m_e		
GRA1	47.10		P	03:10:05.898		75.9		7.80		TAS				m_e		
GRA1	47.10		L	03:32:26.163						T__		937.2	18.30	a_e	Ms	4.8
GTTG	47.41		P	03:10:07.850	-0.1	75.9		7.80		TAS		170.9	1.03	m_e	mb	6.1
GTTG	47.41		pP	03:10:11.296	-0.1	76.1		7.83		TAS				m_e		
GUNZ	46.24		P	03:09:58.544	-0.1	75.9		7.80		TAS		38.8	1.04	m_e	mb	5.4
GUNZ	46.24		pP	03:10:01.927	0.4	76.1		7.83		TAS				m_e		
IBBN	48.55		P	03:10:16.336	-0.4	75.9		7.80		TAS		53.8	0.91	m_e	mb	5.6
IBBN	48.55		pP	03:10:19.893		76.1		7.83		TAS				m_e		
MANZ	46.47		P	03:10:00.439	-0.5	75.9		7.80		TAS		29.5	1.14	m_e	mb	5.2
MANZ	46.47		pP	03:10:03.688	-0.1	76.1		7.83		TAS				m_e		
MOX	46.62		P	03:10:01.377	0.1	75.9		7.80		TAS		39.2	1.12	m_e	mb	5.4
MOX	46.62		pP	03:10:04.791	0.2	76.1		7.83		TAS				m_e		
MOX	46.62		L	03:32:24.993						T__		1185.9	22.00	a_e	Ms	4.8
NEUB	46.40		P	03:09:59.435	-0.0	75.9		7.80		TAS		62.5	0.97	m_e	mb	5.6
NEUB	46.40		pP	03:10:02.821	-0.0	76.1		7.83		TAS				m_e		
NRDL	47.11		P	03:10:05.671	-0.0	75.9		7.80		TAS		101.1	1.12	m_e	mb	5.9
NRDL	47.11		pP	03:10:08.988	-0.6	76.1		7.83		TAS				m_e		
PLN	46.32		P	03:09:58.967	0.6	75.9		7.80		TAS		31.6	1.14	m_e	mb	5.2
PLN	46.32		pP	03:10:02.400	-0.3	76.1		7.83		TAS				m_e		
ROTZ	46.47		P	03:10:00.373	0.0	75.9		7.80		TAS		67.0	1.64	m_e	mb	5.4
ROTZ	46.47		pP	03:10:03.809	-0.6	76.1		7.83		TAS				m_e		
STU	48.64		P	03:10:17.030		75.9		7.80		TAS		167.0	1.73	m_e	mb	5.8
STU	48.64		pP	03:10:20.354		76.1		7.83		TAS				m_e		
TANN	46.15		P	03:09:57.829	0.2	75.9		7.80		TAS		81.8	1.16	m_e	mb	5.6
TANN	46.15		pP	03:10:01.074	0.0	76.1		7.83		TAS				m_e		
UBR	48.37		P	03:10:14.822		75.9		7.80		TAS		97.2	1.06	m_e	mb	5.9
UBR	48.37		pP	03:10:18.335		76.1		7.83		TAS				m_e		
WERN	46.23		P	03:09:58.498	0.6	75.9		7.80		TAS		20.5	1.05	m_e	mb	5.1
WERN	46.23		pP	03:10:01.848	-0.2	76.1		7.83		TAS				m_e		
WET	46.20		P	03:09:58.240		75.9		7.80		TAS		59.3	1.15	m_e	mb	5.5
WET	46.20		pP	03:10:01.472	-0.0	76.1		7.83		TAS				m_e		
WLF	50.27		P	03:10:29.899		75.9		7.80		TAS		62.8	0.97	m_e	mb	5.5

WLF 50.27 pP 03:10:33.364 76.1 7.83 TAS m_e

Event 30311003 Southeast of Shikoku, Japan

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
2013/03/11 05:34:36.62 30.6800 132.3900 33.0 29 81.41 86.85 m i ke BGR
30311009

Magnitude Err Nsta Author OrigID
mb 5.7 BGR 30311009

Table with columns: Sta, Dist, EvAz, Phase, Time, TRes, Azim, AzRes, Slow, SRes, Def, SNR, Amp, Per, Qual, Magnitude. Lists station data for event 30311003.

Event 30311004 Kyushu, Japan

./2013/bul1303.txt

Tue May 12 08:00:22 2020

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Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/11	09:35:00.68			32.8300	130.8170				25.9					81.94	81.94	m i ke	BGR
OrigID 30311010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	30311010
Ms	5.9		BGR	30311010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	81.94		P	09:47:17.041		53.7		4.68		TAS		18.1	1.17	m_e	mb 5.1
GRA1	81.94		pP	09:47:24.630		47.9		4.70		TAS				m_e	
GRA1	81.94		L	10:28:37.874						T__		5182.6	19.20	a_e	Ms 5.9

Event 30311008 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/11	19:47:01.00			-21.0600	-178.2000				489.0					150.46	150.46	m i ke	NEIC
OrigID 30311103																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	150.46		PKPdf	20:05:57.312		12.2		1.52		TAS				m_e	
GRA1	150.46		PKPab	20:06:06.664		18.1		3.85		TAS				m_e	

Event 30312006 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/12	20:39:19.70			-18.7900	-177.6800				605.0				13	144.38	150.49	m i ke	NEIC
OrigID 30312101																	

Magnitude	Err	Nsta	Author	OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	146.09		PKPbc	20:57:52.799	-0.0	16.2		2.60		TAS				m_e	
BFO	150.13		PKPbc	20:58:03.040		16.2		2.60		TAS				m_e	
BRG	146.68		PKPbc	20:57:54.547	0.4	16.2		2.60		TAS				m_e	
BRG	146.68		PKPab	20:57:57.228	0.1	16.0		4.40		TAS				m_e	
BSEG	144.38		PKPbc	20:57:47.840	-0.4	16.2		2.60		TAS				m_e	
BUG	147.19		PKPbc	20:57:55.555	-0.0	16.2		2.60		TAS				m_e	
CLL	146.47		PKPbc	20:57:53.883	0.1	16.2		2.60		TAS				m_e	
CLL	146.47		PKPab	20:57:56.140	0.1	16.0		4.40		TAS				m_e	

CLZ	146.41	PKPbc	20:57:53.942	0.1	16.2	2.60	TAS	m_e
CLZ	146.41	PKPab	20:57:56.265	0.0	16.0	4.40	TAS	m_e
FBE	146.76	PKPbc	20:57:55.118	0.3	16.2	2.60	TAS	m_e
FLT1	145.81	PKPbc	20:57:51.848	-0.2	16.2	2.60	TAS	m_e
FLT1	145.81	PKPab	20:57:53.120	0.1	16.0	4.40	TAS	m_e
FUR	149.81	PKPbc	20:58:02.373		16.2	2.60	TAS	m_e
GEC2	148.64	PKPbc	20:57:59.578		16.2	2.60	TAS	m_e
GRA1	148.35	PKPbc	20:57:58.984	-0.6	16.2	2.60	TAS	m_e
GRA1	148.35	PKPab	20:58:04.442		16.0	4.40	TAS	m_e
GTTG	146.76	PKPab	20:57:57.588	0.0	16.0	4.40	TAS	m_e
GUNZ	147.50	PKPbc	20:57:56.962	0.2	16.2	2.60	TAS	m_e
GUNZ	147.50	PKPab	20:58:00.731		16.0	4.40	TAS	m_e
IBBN	146.28	PKPbc	20:57:53.252	0.3	16.2	2.60	TAS	m_e
IBBN	146.28	PKPab	20:57:55.590	-0.1	16.0	4.40	TAS	m_e
MANZ	147.90	PKPbc	20:57:57.913	0.0	16.2	2.60	TAS	m_e
MOX	147.37	PKPbc	20:57:56.284	0.2	16.2	2.60	TAS	m_e
MOX	147.37	PKPab	20:57:59.851		16.0	4.40	TAS	m_e
NEUB	146.81	PKPbc	20:57:54.821	0.2	16.2	2.60	TAS	m_e
NEUB	146.81	PKPab	20:57:57.514		16.0	4.40	TAS	m_e
NRDL	145.82	PKPbc	20:57:51.991	-0.2	16.2	2.60	TAS	m_e
PLN	147.42	PKPbc	20:57:56.546	0.2	16.2	2.60	TAS	m_e
PLN	147.42	PKPab	20:58:00.153		16.0	4.40	TAS	m_e
RJOB	149.89	PKPbc	20:58:02.331		16.2	2.60	TAS	m_e
ROTZ	148.09	PKPbc	20:57:58.360	-0.3	16.2	2.60	TAS	m_e
RUE	145.21	PKPbc	20:57:50.242	-0.0	16.2	2.60	TAS	m_e
STU	149.58	PKPbc	20:58:01.892		16.2	2.60	TAS	m_e
TANN	147.43	PKPbc	20:57:56.665	0.5	16.2	2.60	TAS	m_e
TANN	147.43	PKPab	20:58:00.373		16.0	4.40	TAS	m_e
TNS	148.26	PKPbc	20:57:58.656	-0.2	16.2	2.60	TAS	m_e
UBR	150.49	PKPbc	20:58:03.860		16.2	2.60	TAS	m_e
WERN	147.56	PKPbc	20:57:57.242	-0.1	16.2	2.60	TAS	m_e
WERN	147.56	PKPab	20:58:01.088		16.0	4.40	TAS	m_e
WET	148.54	PKPbc	20:57:59.348	-0.4	16.2	2.60	TAS	m_e
WLF	149.04	PKPbc	20:58:01.177	-0.2	16.2	2.60	TAS	m_e

Event 30312007 Near east coast of eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/12	21:32:22.98			39.5900	142.8700				33.0			34		78.22	83.63	m i k e	BGR
30312013																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	30312013
MBB	5.4		BGR	30312013
Ms	4.4		BGR	30312013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
AHRW	82.23		P	21:44:41.169	0.3	35.7		5.32		TAS		22.9	1.07	m_e	MBB	5.4
ASSE	79.64		P	21:44:27.295	0.3	35.7		5.32		TAS		20.3	1.08	m_e	mb	5.0
BFO	83.63		P	21:44:48.252		35.7		5.32		TAS		41.1	1.44	m_e	MBB	5.7
BRG	79.43		P	21:44:26.005	-0.4	35.7		5.32		TAS		17.1	1.01	a_e	mb	5.0
BSEG	78.29		P	21:44:20.218	0.2	35.7		5.32		TAS		35.6	1.07	m_e	MBB	5.6
BUG	81.40		P	21:44:36.540	0.5	35.7		5.32		TAS		25.0	1.13	m_e	mb	5.1
CLL	79.44		P	21:44:25.891	0.0	35.7		5.32		TAS		31.3	0.96	m_e	MBB	5.4
CLZ	79.98		P	21:44:29.505	-0.2	35.7		5.32		TAS		37.3	1.09	a_e	MBB	5.3
FBE	79.62		P	21:44:27.305	-0.0	35.7		5.32		TAS		32.7	1.05	a_e	MBB	5.4
FLT1	79.27		P	21:44:24.863	-0.2	35.7		5.32		TAS		35.1	0.96	m_e	MBB	5.4
FUR	82.64		P	21:44:43.394	-0.1	35.7		5.32		TAS		43.2	1.10	m_e	MBB	5.8
GEC2	81.14		P	21:44:35.055	0.3	35.7		5.32		TAS		14.0	1.11	a_e	mb	4.9
GOR1	78.71		P	21:44:22.605	0.1	35.7		5.32		TAS		41.5	1.16	a_e	mb	5.4
GRA1	81.42		P	21:44:37.291	0.0	35.7		5.32		TAS		52.8	1.05	m_e	mb	5.5
GRA1	81.42		L	22:21:31.767						T__		213.1	20.80	a_e	Ms	4.5
GTTG	80.37		P	21:44:31.364	-0.0	35.7		5.32		TAS		47.3	1.05	m_e	MBB	5.4
GUNZ	80.46		P	21:44:31.867	0.2	35.7		5.32		TAS		20.1	1.17	m_e	MBB	5.2
HLG	78.90		P	21:44:23.455	-0.5	35.7		5.32		TAS					a_e	
IBBN	80.51		P	21:44:32.000	0.0	35.7		5.32		TAS		30.0	1.02	m_e	MBB	5.5
MANZ	80.85		P	21:44:33.805	-0.3	35.7		5.32		TAS		15.7	0.89	a_e	mb	5.0
MOX	80.50		P	21:44:31.855	0.1	35.7		5.32		TAS		17.7	1.05	m_e	MBB	5.2
MOX	80.50		L	22:21:16.229						T__		177.5	20.50	a_e	Ms	4.4
NEUB	80.00		P	21:44:29.058	-0.0	35.7		5.32		TAS		50.8	1.21	m_e	MBB	5.5
NRDL	79.54		P	21:44:26.828	0.1	35.7		5.32		TAS		13.3	1.04	m_e	mb	4.8
PLN	80.42		P	21:44:31.500	0.2	35.7		5.32		TAS		16.3	1.20	m_e	MBB	5.2
RJOB	82.39		P	21:44:42.283	0.1	35.7		5.32		TAS		29.8	0.98	m_e	MBB	5.5
ROTZ	80.98		P	21:44:34.855	-0.2	35.7		5.32		TAS		25.4	1.21	a_e	MBB	5.2
RUE	78.22		P	21:44:19.709	0.1	35.7		5.32		TAS		33.2	0.90	m_e	mb	5.5
STU	82.94		P	21:44:44.861	-0.0	35.7		5.32		TAS		35.2	0.83	m_e	mb	5.6
TANN	80.37		P	21:44:31.205	0.1	35.7		5.32		TAS		20.2	1.14	a_e	mb	5.0
TNS	82.01		P	21:44:39.971	0.1	35.7		5.32		TAS		12.5	0.91	m_e	mb	5.0
UBBA	80.95		P	21:44:34.072	0.3	35.7		5.32		TAS		19.8	1.47	m_e	mb	4.9
UBR	83.49		P	21:44:47.516	-0.3	35.7		5.32		TAS		19.6	1.40	m_e	mb	5.1
WERN	80.50		P	21:44:32.197	-0.1	35.7		5.32		TAS		18.8	1.00	m_e	MBB	5.1
WET	81.22		P	21:44:36.055	-0.1	35.7		5.32		TAS		17.6	1.11	a_e	mb	5.0
WLF	83.28		P	21:44:46.665	-0.3	35.7		5.32		TAS		75.7	2.16	m_e	mb	5.5

Event 30313001 Kamchatka Peninsula, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/13	03:12:49.93			59.7500	163.6800				14.5	0.2		33		63.61	70.78	m i ke	BGR
30313007																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.0		BGR	30313007

MBB 6.2 BGR 30313007
 Ms 5.3 BGR 30313007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	68.44		P	03:23:51.668	0.1	14.8		6.34		TAS		138.1	1.52	a_e	MBB 6.1
AHRW	68.44		pP	03:23:55.749		14.8		6.34		TAS				a_e	
ASSE	66.37		P	03:23:38.318	0.2	14.8		6.34		TAS		155.8	1.43	a_e	MBB 6.2
ASSE	66.37		pP	03:23:42.399		14.8		6.34		TAS				a_e	
BFO	70.42		P	03:24:03.418	-0.3	14.8		6.34		TAS		52.6	1.11	a_e	MBB 5.9
BFO	70.42		pP	03:24:07.499		14.8		6.34		TAS				a_e	
BRG	67.04		P	03:23:42.268	0.1	14.8		6.34		TAS		176.1	1.92	a_e	MBB 6.0
BRG	67.04		pP	03:23:46.349		14.8		6.34		TAS				a_e	
BSEG	64.67		P	03:23:27.568	0.0	14.8		6.34		TAS		340.4	2.14	a_e	MBB 6.2
BSEG	64.67		pP	03:23:31.649		14.8		6.34		TAS				a_e	
BUG	67.53		P	03:23:45.568	0.0	14.8		6.34		TAS		500.4	2.14	a_e	MBB 6.3
BUG	67.53		pP	03:23:49.649		14.8		6.34		TAS				a_e	
CLL	66.78		P	03:23:40.468	0.2	14.8		6.34		TAS		124.6	1.10	a_e	MBB 6.2
CLL	66.78		pP	03:23:44.549		14.8		6.34		TAS				a_e	
CLZ	66.69		P	03:23:40.718	-0.5	14.8		6.34		TAS		163.0	1.33	a_e	MBB 6.3
CLZ	66.69		pP	03:23:44.849		14.8		6.34		TAS				a_e	
FBE	67.10		P	03:23:42.968	-0.4	14.8		6.34		TAS		194.1	1.61	a_e	MBB 6.2
FBE	67.10		pP	03:23:47.049		14.8		6.34		TAS				a_e	
FLT1	66.08		P	03:23:35.968	-0.1	14.8		6.34		TAS		138.9	1.83	a_e	MBB 6.0
FLT1	66.08		pP	03:23:40.049		14.8		6.34		TAS				a_e	
FUR	70.11		P	03:24:01.918	-0.6	14.8		6.34		TAS		270.7	1.84	a_e	MBB 6.1
FUR	70.11		pP	03:24:05.999		14.8		6.34		TAS				a_e	
GEC2	69.04		P	03:23:55.368	0.2	14.8		6.34		TAS		69.0	1.05	a_e	MBB 6.1
GEC2	69.04		pP	03:23:59.449		14.8		6.34		TAS				a_e	
GOR1	65.43		P	03:23:32.668	-0.1	14.8		6.34		TAS		268.0	1.47	a_e	MBB 6.4
GOR1	65.43		pP	03:23:36.749		14.8		6.34		TAS				a_e	
GRA1	68.64		P	03:23:53.118	0.5	14.8		6.34		TAS		348.0	1.81	a_e	MBB 6.3
GRA1	68.64		pP	03:23:57.199		14.8		6.34		TAS				a_e	
GRA1	68.64		L	03:54:31.573						T__		2027.0	20.90	a_e	Ms 5.3
GTTG	67.04		P	03:23:42.768	-0.3	14.8		6.34		TAS		111.3	1.43	a_e	MBB 6.3
GTTG	67.04		pP	03:23:46.849		14.8		6.34		TAS				a_e	
GUNZ	67.81		P	03:23:47.718	0.3	14.8		6.34		TAS		189.9	1.61	a_e	MBB 6.1
GUNZ	67.81		pP	03:23:51.799		14.8		6.34		TAS				a_e	
IBBN	66.62		P	03:23:40.018	0.3	14.8		6.34		TAS		425.1	1.95	a_e	MBB 6.3
IBBN	66.62		pP	03:23:44.099		14.8		6.34		TAS				a_e	
MANZ	68.21		P	03:23:50.018	0.2	14.8		6.34		TAS		146.4	1.76	a_e	MBB 6.0
MANZ	68.21		pP	03:23:54.099		14.8		6.34		TAS				a_e	
MOX	67.65		P	03:23:46.518	0.1	14.8		6.34		TAS		201.0	1.83	m_e	MBB 6.2
MOX	67.65		pP	03:23:50.599		14.8		6.34		TAS				m_e	
MOX	67.65		L	03:54:02.303						T__		2257.3	21.40	a_e	Ms 5.4
NEUB	67.10		P	03:23:42.618	-0.1	14.8		6.34		TAS		91.0	1.15	a_e	MBB 6.3
NEUB	67.10		pP	03:23:46.699		14.8		6.34		TAS				a_e	
NRDL	66.10		P	03:23:36.568	-0.0	14.8		6.34		TAS		68.1	1.15	a_e	MBB 6.2
NRDL	66.10		pP	03:23:40.649		14.8		6.34		TAS				a_e	
PLN	67.72		P	03:23:47.018	0.2	14.8		6.34		TAS		194.3	1.79	a_e	MBB 6.2

PLN	67.72	pP	03:23:51.099		14.8	6.34	TAS						a_e		
RGN	63.61	P	03:23:20.618	-0.2	14.8	6.34	TAS	319.5	1.09	a_e	MBB	6.6			
RGN	63.61	pP	03:23:24.699		14.8	6.34	TAS			a_e					
ROTZ	68.41	P	03:23:51.468	0.3	14.8	6.34	TAS	154.1	1.63	a_e	MBB	6.1			
ROTZ	68.41	pP	03:23:55.549		14.8	6.34	TAS			a_e					
RUE	65.53	P	03:23:32.818	-0.6	14.8	6.34	TAS	127.2	1.08	a_e	MBB	6.4			
RUE	65.53	pP	03:23:36.899		14.8	6.34	TAS			a_e					
STU	69.86	P	03:24:00.018	-0.2	14.8	6.34	TAS	67.6	1.12	a_e	MBB	6.0			
STU	69.86	pP	03:24:04.099		14.8	6.34	TAS			a_e					
TANN	67.74	P	03:23:47.218	0.0	14.8	6.34	TAS	326.5	1.68	a_e	MBB	6.4			
TANN	67.74	pP	03:23:51.299		14.8	6.34	TAS			a_e					
TNS	68.56	P	03:23:52.268	0.3	14.8	6.34	TAS	71.4	1.22	a_e	MBB	6.1			
TNS	68.56	pP	03:23:56.349		14.8	6.34	TAS			a_e					
UBBA	67.74	P	03:23:47.068	0.3	14.8	6.34	TAS	95.7	1.39	a_e	MBB	6.1			
UBBA	67.74	pP	03:23:51.149		14.8	6.34	TAS			a_e					
UBR	70.78	P	03:24:06.018		14.8	6.34	TAS	116.9	1.32	a_e	MBB	6.0			
UBR	70.78	pP	03:24:10.099		14.8	6.34	TAS			a_e					
WERN	67.87	P	03:23:48.168	0.0	14.8	6.34	TAS	360.0	2.08	a_e	MBB	6.1			
WERN	67.87	pP	03:23:52.249		14.8	6.34	TAS			a_e					
WET	68.89	P	03:23:54.768	0.2	14.8	6.34	TAS	300.7	1.88	a_e	MBB	6.2			
WET	68.89	pP	03:23:58.849		14.8	6.34	TAS			a_e					
WLF	69.42	P	03:23:57.818	-0.5	14.8	6.34	TAS	94.6	1.45	a_e	MBB	6.2			
WLF	69.42	pP	03:24:01.899		14.8	6.34	TAS			a_e					

Event 30313008 Near east coast of eastern Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/13	20:02:53.97			35.7460	141.5200				33.0			25		81.25	86.47	m i ke	BGR
30313014																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.2		BGR	30313014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
AHRW	85.16		P	20:15:25.460	0.4	38.5		5.09		TAS				m_e	
BFO	86.47		P	20:15:31.653		38.5		5.09		TAS				m_e	
BRG	82.20		P	20:15:10.104	0.1	38.5		5.09		TAS	10.8	1.07	m_e	mb	4.9
BSEG	81.25		P	20:15:05.425	-0.1	38.5		5.09		TAS	14.3	1.00	m_e	mb	5.0
CLL	82.26		P	20:15:10.178	0.1	38.5		5.09		TAS	19.1	1.08	m_e	mb	5.2
CLZ	82.87		P	20:15:14.028	-0.2	38.5		5.09		TAS	22.7	1.34	m_e	mb	5.2
FBE	82.41		P	20:15:11.404	0.1	38.5		5.09		TAS	35.3	1.39	m_e	mb	5.3
FLT1	82.16		P	20:15:09.560	0.1	38.5		5.09		TAS	18.8	1.13	m_e	mb	5.1
FUR	85.40		P	20:15:26.605		38.5		5.09		TAS				m_e	
GEC2	83.85		P	20:15:18.480		38.5		5.09		TAS				m_e	
GRA1	84.23		P	20:15:21.003		38.5		5.09		TAS				m_e	
GTTG	83.26		P	20:15:16.000	-0.1	38.5		5.09		TAS	201.8	2.91	m_e	mb	5.8

MANZ	83.64	P	20:15:17.739		38.5	5.09	TAS											m_e
MOX	83.33	P	20:15:15.925	-0.2	38.5	5.09	TAS											m_e
NEUB	82.84	P	20:15:13.436	-0.1	38.5	5.09	TAS	23.0	1.09									m_e mb 5.3
NRDL	82.46	P	20:15:11.431	0.3	38.5	5.09	TAS	21.7	1.71									m_e mb 5.0
PLN	83.23	P	20:15:15.662	0.2	38.5	5.09	TAS											m_e
RETH	82.55	P	20:15:12.110	0.3	38.5	5.09	TAS	20.0	1.25									m_e mb 5.2
ROTZ	83.77	P	20:15:18.629		38.5	5.09	TAS											m_e
STU	85.77	P	20:15:28.440		38.5	5.09	TAS											m_e
TANN	83.16	P	20:15:15.071	-0.2	38.5	5.09	TAS											m_e
UBBA	83.83	P	20:15:18.370	0.4	38.5	5.09	TAS											m_e
WERN	83.30	P	20:15:15.958	-0.4	38.5	5.09	TAS	14.7	1.36									m_e mb 5.0
WET	83.97	P	20:15:19.488		38.5	5.09	TAS											m_e
WLF	86.22	P	20:15:30.555		38.5	5.09	TAS											m_e

Event 30315006 Southeast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/15	16:48:45.44			30.1900	139.9400				406.7	1.6		28		83.93	90.63	m i ke	BGR
OrigID 30315012																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.9		BGR	30315012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	86.78		P	17:00:47.270	-0.1	42.8		4.68		TAS					m_e
BFO	90.63		P	17:01:04.656		42.8		4.68		TAS		9.4	0.79	m_e mb	5.2
BRG	86.29		P	17:00:44.222	-0.6	42.8		4.68		TAS		8.5	0.77	m_e mb	4.9
BSEG	85.58		P	17:00:40.971	-0.1	42.8		4.68		TAS		8.7	0.79	m_e mb	4.9
CLL	86.39		P	17:00:44.275	-0.1	42.8		4.68		TAS		14.2	0.91	m_e mb	5.1
CLZ	87.12		P	17:00:48.329	-0.1	42.8		4.68		TAS					m_e
CLZ	87.12		pP	17:02:21.650						T__					m_e
FBE	86.52		P	17:00:45.691	-0.0	42.8		4.68		TAS		18.5	0.85	m_e mb	5.2
FLT1	86.40		P	17:00:44.486		42.8		4.68		TAS		8.0	0.76	m_e mb	4.9
FLT1	86.40		pP	17:02:17.984						T__					m_e
FUR	89.46		P	17:00:59.429		42.8		4.68		TAS		18.5	0.72	m_e mb	5.4
GEC2	87.85		P	17:00:51.452	0.3	42.8		4.68		TAS		4.4	0.78	m_e mb	4.8
GRA1	88.35		P	17:00:54.307	0.3	42.8		4.68		TAS					m_e
GUNZ	87.37		P	17:00:49.309	0.2	42.8		4.68		TAS		5.4	0.82	m_e mb	4.7
HGN	89.74		P	17:01:00.636		42.8		4.68		TAS					m_e
HLG	86.34		P	17:00:44.297		42.8		4.68		TAS					m_e
IBBN	87.83		P	17:00:51.669	-0.6	42.8		4.68		TAS		8.3	0.79	m_e mb	5.1
MANZ	87.75		P	17:00:51.263	0.3	42.8		4.68		TAS		1.7	0.78	m_e mb	4.4
MOX	87.48		P	17:00:49.571	0.0	42.8		4.68		TAS		1.9	0.79	m_e mb	4.3
NEUB	87.01		P	17:00:47.567	-0.1	42.8		4.68		TAS					m_e
NRDL	86.74		P	17:00:46.425	-0.1	42.8		4.68		TAS		2.8	0.88	m_e mb	4.4
RGN	83.93		P	17:00:32.967		42.8		4.68		TAS		20.1	0.71	m_e mb	5.5

ROTZ	87.86	P	17:00:51.878	-0.1	42.8	4.68	TAS	3.6	0.89	m_e	mb	4.7
ROTZ	87.86	pP	17:02:25.371				T__			m_e		
RUE	85.22	P	17:00:39.188	-0.1	42.8	4.68	TAS	18.8	0.82	m_e	mb	5.4
STU	89.93	P	17:01:01.684		42.8	4.68	TAS	4.2	0.75	m_e	mb	4.7
TANN	87.28	P	17:00:48.942	-0.3	42.8	4.68	TAS	4.8	0.92	m_e	mb	4.6
TNS	89.14	P	17:00:57.279		42.8	4.68	TAS			m_e		
UBR	90.34	P	17:01:03.205		42.8	4.68	TAS	5.5	0.72	m_e	mb	4.9
WERN	87.41	P	17:00:49.466	0.1	42.8	4.68	TAS			m_e		
WERN	87.41	pP	17:02:22.395				T__			m_e		
WET	88.01	P	17:00:52.403	0.1	42.8	4.68	TAS	2.2	0.81	m_e	mb	4.5
WLF	90.52	P	17:01:03.864		42.8	4.68	TAS			m_e		

Event 30316001 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/16	02:18:55.50			-25.1900	-180.6700				538.5	1.1		13		150.14	153.85	m i ke	BGR
OrigID 30316007																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	151.75		PKPbc	02:36:20.863	-0.1	22.2		2.27		TAS					m_e
BRG	152.00		PKPbc	02:36:21.793	-0.0	22.2		2.27		TAS					m_e
BRG	152.00		pPKPbc	02:38:27.043						T__					m_e
BSEG	150.14		PKPbc	02:36:17.455	0.1	22.2		2.27		TAS					m_e
CLL	151.90		PKPbc	02:36:21.638	0.2	22.2		2.27		TAS					m_e
CLZ	152.09		PKPbc	02:36:21.845	0.1	22.2		2.27		TAS					m_e
CLZ	152.09		pPKPbc	02:38:27.144						T__					m_e
FBE	152.14		PKPbc	02:36:21.845	-0.2	22.2		2.27		TAS					m_e
FLT1	151.43		PKPbc	02:36:20.037	-0.2	22.2		2.27		TAS					m_e
FLT1	151.43		pPKPbc	02:38:25.655						T__					m_e
GRA1	153.85		PKPbc	02:36:26.028		22.2		2.27		TAS					m_e
HLG	150.35		PKPbc	02:36:17.920	-0.1	22.2		2.27		TAS					m_e
MOX	152.88		PKPbc	02:36:23.704	0.1	22.2		2.27		TAS					m_e
NEUB	152.34		PKPbc	02:36:22.413	0.0	22.2		2.27		TAS					m_e
NRDL	151.54		PKPbc	02:36:20.657	0.1	22.2		2.27		TAS					m_e
RUE	150.63		PKPbc	02:36:18.643	0.1	22.2		2.27		TAS					m_e

Event 30316003 D'Entrecasteaux Islands, Papua New Guinea, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/16	12:36:23.66			-13.2900	154.5600				161.7			23		130.64	135.25	m i ke	BGR
OrigID 30316009																	

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
BFO	135.25		PKPdf	12:55:24.287		52.7		1.90		TAS					m_e	
BRG	130.81		PKPdf	12:55:15.628	-0.0	52.7		1.90		TAS					m_e	
BSEG	130.64		PKPdf	12:55:15.575	0.0	52.7		1.90		TAS					m_e	
BUG	133.70		PKPdf	12:55:21.206		52.7		1.90		TAS					m_e	
CLL	131.03		PKPdf	12:55:15.789	-0.3	52.7		1.90		TAS					m_e	
CLZ	131.99		PKPdf	12:55:17.862	-0.1	52.7		1.90		TAS					m_e	
FBE	131.08		PKPdf	12:55:16.379	0.2	52.7		1.90		TAS					m_e	
FLT1	131.26		PKPdf	12:55:16.326	-0.3	52.7		1.90		TAS					m_e	
GEC2	132.09		PKPdf	12:55:18.149	0.2	52.7		1.90		TAS					m_e	
GTTG	132.37		PKPdf	12:55:18.953	-0.1	52.7		1.90		TAS					m_e	
GUNZ	131.94		PKPdf	12:55:17.666	0.1	52.7		1.90		TAS					m_e	
IBBN	132.88		PKPdf	12:55:19.682	-0.1	52.7		1.90		TAS					m_e	
MANZ	132.28		PKPdf	12:55:18.417	0.2	52.7		1.90		TAS					m_e	
NEUB	131.71		PKPdf	12:55:17.401	-0.1	52.7		1.90		TAS					m_e	
NRDL	131.69		PKPdf	12:55:17.291	-0.2	52.7		1.90		TAS					m_e	
ROTZ	132.36		PKPdf	12:55:18.818	-0.1	52.7		1.90		TAS					m_e	
STU	134.53		PKPdf	12:55:22.493		52.7		1.90		TAS					m_e	
TANN	131.84		PKPdf	12:55:17.720	0.3	52.7		1.90		TAS					m_e	
TNS	133.96		PKPdf	12:55:21.563		52.7		1.90		TAS					m_e	
UBBA	132.82		PKPdf	12:55:19.252	-0.1	52.7		1.90		TAS					m_e	
UBR	134.72		PKPdf	12:55:22.976		52.7		1.90		TAS					m_e	
WERN	131.96		PKPdf	12:55:17.988	0.0	52.7		1.90		TAS					m_e	
WET	132.37		PKPdf	12:55:18.846	-0.2	52.7		1.90		TAS					m_e	

Event 30316005 Admiralty Islands, Papua New Guinea, region
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2013/03/16 16:39:53.35 -1.3690 145.4690 33.0 118.10 118.10 m i ke BGR
 30316011

Magnitude	Err	Nsta	Author	OrigID												
Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
GRA1	118.10		PKPdf	16:58:35.464		53.9		1.26		TAS					m_e	

Event 30316004 Near east coast of eastern Honshu, Japan
 Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
 OrigID
 2013/03/16 17:24:55.52 35.6040 140.9140 33.0 84.10 84.10 m i ke BGR

GRA1 146.46 PKPdf 18:42:43.009 20.6 1.73 TAS m_e

Event 30319002 Samoa Islands region

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
2013/03/19 18:36:55.49 -16.8600 -172.8700 33.0 23 145.00 149.17 m i ke BGR
30319008

Magnitude Err Nsta Author OrigID

Table with columns: Sta, Dist, EvAz, Phase, Time, TRes, Azim, AzRes, Slow, SRes, Def, SNR, Amp, Per, Qual, Magnitude. Lists station data for event 30319002.

Event 30319003 Northwest of Kuril Islands, Russia

Date Time Err RMS Latitude Longitude Smaj Smin Az Depth Err Ndef Nsta Gap mdist Mdist Qual Author
2013/03/19 20:23:50.15 49.1800 150.1600 33.0 21 72.16 77.43 m i ke BGR
30319009

Magnitude Err Nsta Author OrigID
mb 4.6 BGR 30319009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	77.43		P	20:35:41.947		26.4		5.79		TAS		5.3	0.86	m_e mb	4.7
BRG	73.52		P	20:35:19.809	0.7	26.4		5.79		TAS		2.6	0.77	m_e mb	4.3
CLL	73.42		P	20:35:18.922	-0.5	26.4		5.79		TAS				m_e	
CLZ	73.69		P	20:35:21.188	0.3	26.4		5.79		TAS				m_e	
FBE	73.66		P	20:35:21.386	0.7	26.4		5.79		TAS		4.7	0.72	m_e mb	4.6
FLT1	73.01		P	20:35:17.018	-0.3	26.4		5.79		TAS		5.5	0.73	m_e mb	4.8
GEC2	75.39		P	20:35:31.126	0.3	26.4		5.79		TAS		3.1	0.75	m_e mb	4.4
GRA1	75.38		P	20:35:31.217	0.3	26.4		5.79		TAS		8.2	0.70	m_e mb	4.9
GUNZ	74.45		P	20:35:25.881	0.3	26.4		5.79		TAS		3.8	0.70	m_e mb	4.5
IBBN	73.96		P	20:35:23.355	0.9	26.4		5.79		TAS				m_e	
MANZ	74.85		P	20:35:28.433	0.4	26.4		5.79		TAS		2.9	0.73	m_e mb	4.4
MOX	74.41		P	20:35:25.475	0.2	26.4		5.79		TAS		2.8	0.82	m_e mb	4.3
NEUB	73.87		P	20:35:22.655	0.0	26.4		5.79		TAS				m_e	
NRDL	73.17		P	20:35:17.850	-0.8	26.4		5.79		TAS				m_e	
RJOB	76.65		P	20:35:38.164		26.4		5.79		TAS		4.9	0.86	m_e mb	4.7
ROTZ	75.02		P	20:35:29.379	0.2	26.4		5.79		TAS				m_e	
RUE	72.16		P	20:35:12.394	-0.0	26.4		5.79		TAS		9.3	0.81	m_e mb	5.0
TNS	75.67		P	20:35:32.803	-0.2	26.4		5.79		TAS		5.7	0.70	m_e mb	4.8
WERN	74.51		P	20:35:26.287	0.4	26.4		5.79		TAS		4.8	0.71	m_e mb	4.6
WET	75.38		P	20:35:31.311	0.0	26.4		5.79		TAS		5.3	0.89	m_e mb	4.6
WLF	76.79		P	20:35:39.110	0.0	26.4		5.79		TAS				m_e	

Event 30319004 Poland

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/19	21:09:51.91	0.28	0.86	51.4920	16.0840	4.4	2.2	42	1.0				36 170	0.66	5.65	m i ki	BGR
30319010																	

Magnitude	Err	Nsta	Author	OrigID
ML	4.5		BGR	30319010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	3.42		Pn	21:10:46.652	0.5					T__				m_e	
BRG	1.48		Sg	21:10:36.429	-2.6					T__				m_e	
BRG	1.48		Pn	21:10:19.020	-0.5					T__				m_e ML	4.3
BSEG	4.28		Pn	21:10:56.309	-1.4					T__				m_e	
BUG	5.51		Pn	21:11:15.077	0.7					T__				m_e	
CLL	1.94		Pn	21:10:25.136	-0.6					T__				m_e ML	4.4
CLZ	3.57		Pn	21:10:48.827	0.6					T__				m_e	
DPC	1.15		Sg	21:10:29.247	0.7					T__				m_e	
DPC	1.15		Pg	21:10:13.932	1.3					T__				m_e ML	4.6
FBE	1.81		Sg	21:10:50.476	1.1					T__				m_e	
FBE	1.81		Pn	21:10:23.862	-0.1					T__				m_e ML	4.2
FLT1	3.12		Pn	21:10:40.874	-1.2					T__				m_e	

FUR	4.56	Pn	21:11:02.496	0.9	T__	m_e		
GEC2	3.06	Pn	21:10:41.583	0.3	T__	m_e		
GOR1	3.30	Pn	21:10:43.533	-1.0	T__	m_e		
GRA1	3.58	Pn	21:10:48.468	0.1	T__	m_e		
GTTG	3.82	Pn	21:10:52.558	0.9	T__	m_e		
GUNZ	2.63	Sg	21:11:15.665	-1.2	T__	m_e		
GUNZ	2.63	Pn	21:10:35.682	0.2	T__	m_e ML	4.9	
HLG	5.65	Pn	21:11:16.355	0.0	T__	m_e		
IBBN	5.22	Pn	21:11:11.595	1.1	T__	m_e		
KSP	0.66	Sg	21:10:11.689	-1.4	T__	m_e		
KSP	0.66	Pg	21:10:05.116	1.3	T__	m_e ML	4.0	
MANZ	2.94	Pn	21:10:39.830	0.1	T__	m_e		
MORC	1.95	Sg	21:10:54.461	0.6	T__	m_e		
MORC	1.95	Pn	21:10:25.809	-0.1	T__	m_e ML	4.8	
MOX	2.94	Pn	21:10:39.684	-0.1	T__	m_e		
NEUB	2.72	Pn	21:10:36.541	-0.2	T__	m_e		
NRDL	3.83	Pn	21:10:52.388	0.7	T__	m_e		
OJC	2.68	Pn	21:10:34.316	-1.8	T__	m_e		
OKC	2.11	Sg	21:10:58.380	-0.6	T__	m_e		
OKC	2.11	Pn	21:10:27.381	-0.8	T__	m_e ML	4.1	
PLN	2.68	Pn	21:10:36.210	0.1	T__	m_e ML	4.7	
RJOB	4.32	Pn	21:10:59.712	1.3	T__	m_e		
ROTZ	3.01	Pn	21:10:40.723	0.1	T__	m_e		
RUE	1.73	Sg	21:10:47.743	0.8	T__	m_e		
RUE	1.73	Pn	21:10:22.361	-0.6	T__	m_e ML	4.5	
STU	5.20	Pn	21:11:10.341	0.1	T__	m_e		
TANN	2.53	Pn	21:10:34.264	0.1	T__	m_e ML	5.0	
TNS	5.00	Pn	21:11:07.336	-0.2	T__	m_e		
UBBA	3.89	Pn	21:10:52.755	0.3	T__	m_e		
UBR	5.45	Pn	21:11:13.739	0.2	T__	m_e		
WERN	2.64	Pn	21:10:35.781	0.1	T__	m_e ML	4.8	
WET	3.12	Pn	21:10:42.264	0.1	T__	m_e		

Event 30320001 South of Alaska

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/20	00:24:54.44			51.2320	-162.0300				33.0					79.29	79.29	m i ke	BGR
30320007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.5		BGR	30320007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	79.29		P	00:36:54.999		351.4		4.86		TAS		2.9	0.72	m_e mb	4.5

Event 30320005 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/20	14:01:18.17			-23.5700	-178.4200				33.0				27	148.97	155.00	m i ke	BGR

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	150.64		PKPbc	14:21:11.982	-0.2	16.5		2.23		TAS					m_e
BFO	154.72		PKPbc	14:21:20.775	-0.8	16.5		2.23		TAS					m_e
BRG	151.10		PKPbc	14:21:12.982	-0.1	16.5		2.23		TAS					a_e
BSEG	148.97		PKPbc	14:21:07.732		16.5		2.23		TAS					a_e
BUG	151.83		PKPbc	14:21:14.383	0.1	16.5		2.23		TAS					m_e
CLL	150.93		PKPbc	14:21:12.432	-0.2	16.5		2.23		TAS					a_e
CLZ	150.97		PKPbc	14:21:12.621	0.2	16.5		2.23		TAS					m_e
FBE	151.21		PKPbc	14:21:13.352	0.3	16.5		2.23		TAS					m_e
FLT1	150.35		PKPbc	14:21:10.832	0.4	16.5		2.23		TAS					a_e
GEC2	153.01		PKPbc	14:21:17.182	-0.3	16.5		2.23		TAS					a_e
GRA1	152.85		PKPbc	14:21:16.723	0.2	16.5		2.23		TAS					m_e
GTTG	151.33		PKPbc	14:21:13.532	0.2	16.5		2.23		TAS					a_e
GUNZ	151.97		PKPbc	14:21:14.947	0.3	16.5		2.23		TAS					m_e
IBBN	150.92		PKPbc	14:21:12.419	-0.3	16.5		2.23		TAS					m_e
MANZ	152.37		PKPbc	14:21:15.733	0.2	16.5		2.23		TAS					m_e
MOX	151.87		PKPbc	14:21:14.682	0.1	16.5		2.23		TAS					a_e
NEUB	151.32		PKPbc	14:21:13.185	0.1	16.5		2.23		TAS					m_e
NRDL	150.39		PKPbc	14:21:11.282	0.3	16.5		2.23		TAS					a_e
ROTZ	152.56		PKPbc	14:21:16.282	0.1	16.5		2.23		TAS					a_e
RUE	149.67		PKPbc	14:21:09.332	0.5	16.5		2.23		TAS					a_e
STU	154.14		PKPbc	14:21:19.402	-0.3	16.5		2.23		TAS					m_e
TANN	151.89		PKPbc	14:21:14.623	0.1	16.5		2.23		TAS					m_e
TNS	152.86		PKPbc	14:21:16.713	-0.1	16.5		2.23		TAS					m_e
UBBA	152.02		PKPbc	14:21:14.694	-0.3	16.5		2.23		TAS					m_e
UBR	155.00		PKPbc	14:21:21.226	0.1	16.5		2.23		TAS					m_e
WERN	152.03		PKPbc	14:21:15.091	0.4	16.5		2.23		TAS					m_e
WET	152.97		PKPbc	14:21:17.100	-0.4	16.5		2.23		TAS					m_e

Event 30320006 North Atlantic Ocean

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/20	22:28:41.17			56.2200	-38.8500				10.0				23	27.09	32.11	m i ke	BGR

Magnitude Err Nsta Author OrigID

mb 4.8 BGR 30320012

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	29.41		P	22:34:45.408	-0.1	301.3		8.86		TAS		12.8	1.01	m_e mb	4.7
BRG	31.16		P	22:35:01.618	0.3	301.3		8.86		TAS				m_e	
BSEG	27.76		P	22:34:30.419	0.3	301.3		8.86		TAS				m_e	
CLL	30.43		P	22:34:54.759	0.3	301.3		8.86		TAS		5.3	0.90	m_e mb	4.4
CLZ	28.73		P	22:34:40.620	0.3	301.3		8.86		TAS				m_e	
FBE	30.81		P	22:34:58.502	0.3	301.3		8.86		TAS		5.0	0.88	m_e mb	4.4
GEC2	32.11		P	22:35:09.845		301.3		8.86		TAS		9.2	1.02	m_e mb	4.7
GRA1	30.28		P	22:34:53.696	0.4	301.3		8.86		TAS				m_e	
GTTG	28.65		P	22:34:39.959		301.3		8.86		TAS		16.4	0.80	m_e mb	4.9
GUNZ	30.54		P	22:34:56.036	0.1	301.3		8.86		TAS		20.0	1.10	m_e mb	5.0
IBBN	27.09		P	22:34:25.691	0.3	301.3		8.86		TAS				m_e	
MANZ	30.61		P	22:34:57.098	0.3	301.3		8.86		TAS		11.4	1.10	m_e mb	4.7
MOX	30.00		P	22:34:51.345	-0.3	301.3		8.86		TAS		21.4	1.24	m_e mb	4.8
NEUB	29.81		P	22:34:49.679	0.3	301.3		8.86		TAS				m_e	
NRDL	28.29		P	22:34:35.876	0.3	301.3		8.86		TAS				m_e	
ROTZ	30.78		P	22:34:58.600		301.3		8.86		TAS				m_e	
TANN	30.59		P	22:34:56.567		301.3		8.86		TAS		29.8	1.10	m_e mb	5.1
TNS	28.47		P	22:34:37.446	-0.3	301.3		8.86		TAS				m_e	
UBBA	29.03		P	22:34:42.742	0.6	301.3		8.86		TAS				m_e	
UBR	30.77		P	22:34:57.923	0.3	301.3		8.86		TAS				m_e	
WERN	30.61		P	22:34:56.539	0.3	301.3		8.86		TAS		21.9	1.09	m_e mb	5.0
WET	31.49		P	22:35:04.799		301.3		8.86		TAS		14.6	1.14	m_e mb	4.8
WLF	27.49		P	22:34:28.839	0.3	301.3		8.86		TAS		12.0	1.06	m_e mb	4.6

Event 30321002 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/21	05:26:28.26			-19.7300	-177.9500				33.0			30		145.27	151.36	m i ke	BGR

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	146.97		PKPbc	05:46:17.292	0.4	17.3		2.25		TAS				a_e	
BFO	151.02		PKPbc	05:46:26.297		17.3		2.25		TAS				m_e	
BRG	147.53		PKPbc	05:46:18.292	-0.1	17.3		2.25		TAS				a_e	
BSEG	145.27		PKPbc	05:46:13.042	-0.2	17.3		2.25		TAS				a_e	
BUG	148.09		PKPbc	05:46:19.742		17.3		2.25		TAS				a_e	
CLL	147.33		PKPbc	05:46:17.742	-0.2	17.3		2.25		TAS				m_e	
CLZ	147.29		PKPbc	05:46:18.242	-0.5	17.3		2.25		TAS				a_e	
FBE	147.62		PKPbc	05:46:18.892	0.3	17.3		2.25		TAS				m_e	
FLT1	146.68		PKPbc	05:46:16.142	0.5	17.3		2.25		TAS				a_e	
GEC2	149.47		PKPbc	05:46:22.492	-0.3	17.3		2.25		TAS				a_e	

GOR1	146.03	PKPbc	05:45:28.892		17.3	2.25	TAS	a_e
GTTG	147.65	PKPbc	05:46:18.708		17.3	2.25	TAS	m_e
GUNZ	148.36	PKPbc	05:46:20.492	0.3	17.3	2.25	TAS	a_e
IBBN	147.18	PKPbc	05:46:18.090		17.3	2.25	TAS	m_e
MANZ	148.76	PKPbc	05:46:21.342	0.2	17.3	2.25	TAS	a_e
MOX	148.23	PKPbc	05:46:19.992	0.1	17.3	2.25	TAS	a_e
NEUB	147.68	PKPbc	05:46:18.742	0.1	17.3	2.25	TAS	a_e
NRDL	146.70	PKPbc	05:46:16.592	-0.1	17.3	2.25	TAS	a_e
PLN	148.28	PKPbc	05:45:28.892		17.3	2.25	TAS	a_e
RETH	146.57	PKPbc	05:45:28.892		17.3	2.25	TAS	a_e
ROTZ	148.95	PKPbc	05:46:21.542	-0.0	17.3	2.25	TAS	a_e
RUE	146.06	PKPbc	05:46:14.692	-0.4	17.3	2.25	TAS	a_e
STU	150.46	PKPbc	05:46:24.902	-0.3	17.3	2.25	TAS	m_e
TANN	148.28	PKPbc	05:46:20.142	0.1	17.3	2.25	TAS	a_e
TNS	149.15	PKPbc	05:46:22.392	-0.4	17.3	2.25	TAS	a_e
UBBA	148.34	PKPbc	05:46:20.692	0.2	17.3	2.25	TAS	a_e
UBR	151.36	PKPbc	05:46:26.592	0.2	17.3	2.25	TAS	a_e
WERN	148.42	PKPbc	05:46:20.992	0.6	17.3	2.25	TAS	m_e
WET	149.39	PKPbc	05:46:22.337	-0.2	17.3	2.25	TAS	m_e
WLF	149.95	PKPbc	05:46:23.992		17.3	2.25	TAS	a_e

Event 30324002 Coral Sea

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/24	01:35:37.90			-17.5000	154.5000				33.0			17		134.28	138.73	m i ke	BGR
30324008																	

Magnitude Err Nsta Author

OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	138.73		PKPdf	01:55:00.724		54.5		1.88		TAS				m_e	
BRG	134.28		PKPdf	01:54:52.529	-0.4	54.5		1.88		TAS				m_e	
BSEG	134.31		PKPdf	01:54:52.662	0.2	54.5		1.88		TAS				m_e	
CLL	134.54		PKPdf	01:54:52.685	0.1	54.5		1.88		TAS				m_e	
CLZ	135.57		PKPdf	01:54:55.249		54.5		1.88		TAS				m_e	
FBE	134.57		PKPdf	01:54:53.324	0.1	54.5		1.88		TAS				m_e	
FLT1	134.85		PKPdf	01:54:53.310	0.2	54.5		1.88		TAS				m_e	
FUR	137.20		PKPdf	01:54:58.180		54.5		1.88		TAS				m_e	
GUNZ	135.42		PKPdf	01:54:54.914	0.1	54.5		1.88		TAS				m_e	
MANZ	135.75		PKPdf	01:54:55.486		54.5		1.88		TAS				m_e	
MOX	135.64		PKPdf	01:54:54.986		54.5		1.88		TAS				m_e	
NRDL	135.31		PKPdf	01:54:54.644	0.1	54.5		1.88		TAS				m_e	
STU	138.01		PKPdf	01:54:59.689		54.5		1.88		TAS				m_e	
TANN	135.32		PKPdf	01:54:54.590	0.0	54.5		1.88		TAS				m_e	
TNS	137.52		PKPdf	01:54:58.794		54.5		1.88		TAS				m_e	
UBR	138.12		PKPdf	01:54:59.719		54.5		1.88		TAS				m_e	

WERN 135.44 PKPdf 01:54:54.868 0.1 54.5 1.88 TAS m_e

Event 30324004 East of Kuril Islands, Russia

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/24	04:18:34.47	0.60		50.1100	160.7400	33.4	8.9	74	10.0	3.9		32		73.38	79.35	m i ke	BGR
OrigID 30324010																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.9		BGR	30324010
Ms	5.8		BGR	30324010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	75.02		P	04:30:12.155	0.3	20.3		5.77		TAS		233.7	1.77	m_e mb	5.9
ASSE	75.02		PP	04:32:57.264						T__				m_e	
BFO	79.10		P	04:30:35.463		20.3		5.77		TAS		119.2	1.65	m_e mb	5.7
BRG	75.49		P	04:30:14.480	-0.2	20.3		5.77		TAS		101.9	1.62	m_e mb	5.6
BRG	75.49		PP	04:33:05.178						T__				m_e	
BSEG	73.38		P	04:30:02.933	0.0	20.3		5.77		TAS		281.5	1.84	m_e mb	6.1
BSEG	73.38		PP	04:32:44.402						T__				m_e	
BUG	76.34		P	04:30:20.017	0.0	20.3		5.77		TAS		261.9	1.68	m_e mb	6.1
CLL	75.29		P	04:30:13.327	0.2	20.3		5.77		TAS		139.8	1.31	m_e mb	5.8
CLZ	75.35		P	04:30:14.561	-0.3	20.3		5.77		TAS		220.1	1.55	m_e mb	6.0
CLZ	75.35		PP	04:33:00.708						T__				m_e	
FBE	75.58		P	04:30:15.504	0.3	20.3		5.77		TAS		585.1	2.35	m_e mb	6.3
FLT1	74.71		P	04:30:10.042	-0.1	20.3		5.77		TAS		76.8	1.19	m_e mb	5.6
FLT1	74.71		PP	04:32:56.130						T__				m_e	
FUR	78.63		P	04:30:33.011	-0.2	20.3		5.77		TAS		204.5	1.68	m_e mb	5.9
GEC2	77.44		P	04:30:25.978	-0.2	20.3		5.77		TAS		103.6	1.72	m_e mb	5.7
GEC2	77.44		PP	04:33:20.944						T__				m_e	
GOR1	74.08		P	04:30:07.030	-0.5	20.3		5.77		TAS		509.6	1.87	m_e mb	6.2
GOR1	74.08		PP	04:32:54.608	-0.8					T__				m_e	
GRA1	77.20		P	04:30:25.241	0.5	20.3		5.77		TAS		285.6	1.65	m_e mb	6.1
GRA1	77.20		L	05:07:37.757						T__		5384.3	21.80	a_e Ms	5.8
GTTG	75.72		P	04:30:16.602	0.0	20.3		5.77		TAS		313.9	1.82	m_e mb	6.1
GTTG	75.72		PP	04:33:06.617						T__				m_e	
GUNZ	76.33		P	04:30:19.978	0.2	20.3		5.77		TAS		201.2	1.74	m_e mb	6.0
GUNZ	76.33		PP	04:33:11.158						T__				m_e	
IBBN	75.42		P	04:30:14.882	0.1	20.3		5.77		TAS		188.3	1.39	m_e mb	5.9
MANZ	76.73		P	04:30:22.129	0.4	20.3		5.77		TAS		182.6	1.94	m_e mb	5.9
MOX	76.22		P	04:30:19.073	0.1	20.3		5.77		TAS		136.7	1.66	m_e mb	5.8
MOX	76.22		PP	04:33:10.422						T__				m_e	
MOX	76.22		L	05:07:40.394						T__		4778.4	19.50	a_e Ms	5.8
NEUB	75.67		P	04:30:15.813	-0.1	20.3		5.77		TAS		146.6	1.55	m_e mb	5.9
NEUB	75.67		PP	04:33:05.360						T__				m_e	
NRDL	74.79		P	04:30:10.740	-0.4	20.3		5.77		TAS		167.9	1.81	m_e mb	5.8

PLN	76.25	P	04:30:19.329	0.2	20.3	5.77	TAS	143.0	1.72	m_e	mb	5.8
PLN	76.25	PP	04:33:10.911				T__			m_e		
RETH	74.71	P	04:30:10.351	-0.2	20.3	5.77	TAS	140.8	1.45	m_e	mb	5.8
ROTZ	76.92	P	04:30:23.107	-0.0	20.3	5.77	TAS	159.4	1.70	m_e	mb	5.9
ROTZ	76.92	PP	04:33:16.657				T__			m_e		
RUE	74.03	P	04:30:06.500	-0.2	20.3	5.77	TAS	643.8	2.07	m_e	mb	6.3
STU	78.51	P	04:30:32.212	-0.4	20.3	5.77	TAS	103.0	1.45	m_e	mb	5.7
STU	78.51	PP	04:33:27.398				T__			m_e		
TANN	76.25	P	04:30:19.412	0.1	20.3	5.77	TAS	318.2	1.85	m_e	mb	6.1
TNS	77.28	P	04:30:25.356	-0.0	20.3	5.77	TAS	145.3	1.59	m_e	mb	5.9
TNS	77.28	PP	04:33:19.477				T__			m_e		
UBBA	76.40	P	04:30:20.263	-0.0	20.3	5.77	TAS	180.2	1.70	m_e	mb	5.9
UBBA	76.40	PP	04:33:13.883				T__			m_e		
UBR	79.35	P	04:30:37.053		20.3	5.77	TAS	172.5	1.69	m_e	mb	5.8
WERN	76.39	P	04:30:20.284	0.1	20.3	5.77	TAS	112.2	1.49	m_e	mb	5.8
WERN	76.39	PP	04:33:12.663				T__			m_e		
WET	77.35	P	04:30:26.068	0.2	20.3	5.77	TAS	92.6	1.15	m_e	mb	5.8
WLF	78.25	P	04:30:31.204	-0.0	20.3	5.77	TAS	913.5	2.51	m_e	mb	6.5

Event 30324005 Vanuatu Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/24	08:13:43.08			-21.0200	173.7430				10.0			26		144.79	150.34	m i ke	BGR
30324011																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	146.28		PKPbc	08:33:24.275	0.2	32.1		2.77		TAS				m_e	
BFO	150.34		PKPbc	08:33:34.829		32.1		2.77		TAS				m_e	
BRG	146.25		PKPbc	08:33:23.604	0.0	32.1		2.77		TAS				m_e	
BSEG	144.79		PKPbc	08:33:19.441	-0.5	32.1		2.77		TAS				m_e	
BUG	147.85		PKPbc	08:33:29.713	-0.5	32.1		2.77		TAS				m_e	
CLL	146.22		PKPbc	08:33:23.803	0.9	32.1		2.77		TAS				m_e	
FBE	146.42		PKPbc	08:33:24.952	0.4	32.1		2.77		TAS				m_e	
FLT1	145.93		PKPbc	08:33:22.877	-0.1	32.1		2.77		TAS				m_e	
FUR	149.47		PKPbc	08:33:33.067		32.1		2.77		TAS				m_e	
GEC2	147.97		PKPbc	08:33:29.365	-0.7	32.1		2.77		TAS				m_e	
GTTG	147.00		PKPbc	08:33:26.372	0.1	32.1		2.77		TAS				m_e	
GUNZ	147.25		PKPbc	08:33:27.355	0.3	32.1		2.77		TAS				m_e	
IBBN	146.93		PKPbc	08:33:27.319	0.3	32.1		2.77		TAS				m_e	
MANZ	147.64		PKPbc	08:33:28.360	-0.0	32.1		2.77		TAS				m_e	
MOX	147.26		PKPbc	08:33:26.917	0.1	32.1		2.77		TAS				m_e	
NEUB	146.74		PKPbc	08:33:25.511	0.4	32.1		2.77		TAS				m_e	
NRDL	146.12		PKPbc	08:33:23.827	-0.0	32.1		2.77		TAS				m_e	
ROTZ	147.79		PKPbc	08:33:28.742	-0.1	32.1		2.77		TAS				m_e	

STU	149.67	PKPbc	08:33:33.388		32.1	2.77	TAS	m_e
TANN	147.16	PKPbc	08:33:26.880	0.3	32.1	2.77	TAS	m_e
TNS	148.62	PKPbc	08:33:30.868		32.1	2.77	TAS	m_e
UBBA	147.63	PKPbc	08:33:28.152	-0.3	32.1	2.77	TAS	m_e
UBR	150.30	PKPbc	08:33:34.887		32.1	2.77	TAS	m_e
WERN	147.29	PKPbc	08:33:27.473	0.0	32.1	2.77	TAS	m_e
WET	148.05	PKPbc	08:33:29.365		32.1	2.77	TAS	m_e
WLF	149.76	PKPbc	08:33:34.101		32.1	2.77	TAS	m_e

Event 30324007 Southeast of Loyalty Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/24	19:27:30.93			-22.0000	171.3200				33.0			26		145.01	150.41	m i ke	BGR
OrigID 30324013																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	146.41		PKPbc	19:46:59.297	0.4	34.9		2.82		TAS					m_e
BFO	150.41		PKPbc	19:47:09.822		34.9		2.82		TAS					m_e
BRG	146.19		PKPbc	19:46:58.493	0.0	34.9		2.82		TAS					m_e
BSEG	145.01		PKPbc	19:46:54.579	-0.3	34.9		2.82		TAS					m_e
CLL	146.23		PKPbc	19:46:58.498	0.1	34.9		2.82		TAS					m_e
CLZ	146.75		PKPbc	19:47:00.664	0.1	34.9		2.82		TAS					m_e
FBE	146.39		PKPbc	19:46:59.472	0.2	34.9		2.82		TAS					m_e
FLT1	146.05		PKPbc	19:46:57.797	0.1	34.9		2.82		TAS					m_e
GEC2	147.83		PKPbc	19:47:03.489	-0.7	34.9		2.82		TAS					m_e
GRA1	148.20		PKPbc	19:47:04.721		34.9		2.82		TAS					m_e
GTTG	147.14		PKPbc	19:47:01.883	0.2	34.9		2.82		TAS					m_e
GUNZ	147.24		PKPbc	19:47:02.055	0.1	34.9		2.82		TAS					m_e
IBBN	147.19		PKPbc	19:47:01.707	0.1	34.9		2.82		TAS					m_e
MANZ	147.62		PKPbc	19:47:02.973	0.2	34.9		2.82		TAS					m_e
MOX	147.29		PKPbc	19:47:01.810	0.3	34.9		2.82		TAS					m_e
NEUB	146.79		PKPbc	19:47:00.455	0.4	34.9		2.82		TAS					m_e
NRDL	146.30		PKPbc	19:46:58.916	0.4	34.9		2.82		TAS					m_e
ROTZ	147.75		PKPbc	19:47:03.392	-0.1	34.9		2.82		TAS					m_e
STU	149.73		PKPbc	19:47:08.575		34.9		2.82		TAS					m_e
TANN	147.14		PKPbc	19:47:01.611	0.0	34.9		2.82		TAS					m_e
TNS	148.78		PKPbc	19:47:06.190		34.9		2.82		TAS					m_e
UBBA	147.74		PKPbc	19:47:03.074	0.5	34.9		2.82		TAS					m_e
UBR	150.26		PKPbc	19:47:09.543		34.9		2.82		TAS					m_e
WERN	147.28		PKPbc	19:47:02.179	-0.2	34.9		2.82		TAS					m_e
WET	147.96		PKPbc	19:47:03.934	-0.8	34.9		2.82		TAS					m_e
WLF	150.00		PKPbc	19:47:09.983		34.9		2.82		TAS					m_e

Event 30325001 Fox Islands, Aleutian Islands, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/25	00:02:10.89			52.3000	-168.7800				10.0			13		75.58	79.72	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	30325007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	79.72		P	00:14:19.264		359.9		5.58		TAS		9.2	1.03	m_e	mb 4.7
BRG	77.18		P	00:14:05.147		359.9		5.58		TAS		13.8	1.19	m_e	mb 5.0
BUG	76.58		P	00:14:01.982	-0.2	359.9		5.58		TAS		7.6	0.90	m_e	mb 4.8
CLZ	76.23		P	00:14:00.468	0.1	359.9		5.58		TAS		8.6	0.91	m_e	mb 4.9
FLT1	75.74		P	00:13:57.022	-0.0	359.9		5.58		TAS		5.1	0.90	m_e	mb 4.7
GEC2	79.21		P	00:14:16.649		359.9		5.58		TAS		5.5	0.95	m_e	mb 4.6
GTTG	76.52		P	00:14:02.014	-0.1	359.9		5.58		TAS		18.7	0.93	m_e	mb 5.2
MANZ	78.09		P	00:14:10.448		359.9		5.58		TAS		7.7	1.24	m_e	mb 4.7
MOX	77.43		P	00:14:06.729		359.9		5.58		TAS		6.6	0.90	m_e	mb 4.8
NRDL	75.58		P	00:13:56.220	-0.1	359.9		5.58		TAS		11.8	1.10	m_e	mb 4.9
ROTZ	78.31		P	00:14:11.819		359.9		5.58		TAS		17.8	1.44	m_e	mb 5.0
WERN	77.79		P	00:14:09.070		359.9		5.58		TAS		4.5	0.82	m_e	mb 4.6
WET	78.92		P	00:14:15.273		359.9		5.58		TAS		6.6	1.14	m_e	mb 4.6

Event 30325003 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/25	03:59:51.74			-18.4500	-178.0500				550.0			26		144.00	150.09	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
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Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	145.70		PKPbc	04:18:28.335	0.5	15.0		2.85		TAS				m_e	
BFO	149.75		PKPbc	04:18:39.419		15.0		2.85		TAS				m_e	
BRG	146.27		PKPbc	04:18:30.234	0.4	15.0		2.85		TAS				m_e	
BSEG	144.00		PKPbc	04:18:22.751	-0.4	15.0		2.85		TAS				m_e	
CLL	146.06		PKPbc	04:18:29.547	0.5	15.0		2.85		TAS				m_e	
CLZ	146.02		PKPbc	04:18:29.726	0.1	15.0		2.85		TAS				m_e	
FBE	146.35		PKPbc	04:18:30.883	0.2	15.0		2.85		TAS				m_e	
FLT1	145.41		PKPbc	04:18:27.106	0.0	15.0		2.85		TAS				m_e	
FUR	149.40		PKPbc	04:18:38.700		15.0		2.85		TAS				m_e	
GEC2	148.22		PKPbc	04:18:35.610		15.0		2.85		TAS				m_e	
GOR1	144.76		PKPbc	04:18:25.262	-0.1	15.0		2.85		TAS				m_e	

GTTG	146.37	PKPbc	04:18:30.604	0.1	15.0	2.85	TAS	m_e
GUNZ	147.10	PKPbc	04:18:32.764	0.5	15.0	2.85	TAS	m_e
IBBN	145.91	PKPbc	04:18:29.175	0.1	15.0	2.85	TAS	m_e
MANZ	147.50	PKPbc	04:18:33.835	-0.3	15.0	2.85	TAS	m_e
MOX	146.97	PKPbc	04:18:32.073	0.4	15.0	2.85	TAS	m_e
NEUB	146.41	PKPbc	04:18:30.604	0.2	15.0	2.85	TAS	m_e
NRDL	145.43	PKPbc	04:18:27.404	0.2	15.0	2.85	TAS	m_e
PLN	147.01	PKPbc	04:18:32.351	0.3	15.0	2.85	TAS	m_e
RETH	145.29	PKPbc	04:18:27.123	-0.1	15.0	2.85	TAS	m_e
RUE	144.80	PKPbc	04:18:25.466	-0.4	15.0	2.85	TAS	m_e
STU	149.19	PKPbc	04:18:38.207		15.0	2.85	TAS	m_e
TANN	147.02	PKPbc	04:18:32.479	0.2	15.0	2.85	TAS	m_e
TNS	147.88	PKPbc	04:18:34.786	-0.8	15.0	2.85	TAS	m_e
UBR	150.09	PKPbc	04:18:40.061		15.0	2.85	TAS	m_e
WLF	148.68	PKPbc	04:18:37.441		15.0	2.85	TAS	m_e

Event 30325004 Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/25	05:25:32.90			-17.2300	-173.4000				34.6	4.3		18		145.03	148.95	m i ke	BGR
OrigID 30325010																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	145.03		PKPbc	05:45:05.681		6.8		3.03		TAS				m_e	
BFO	148.95		PKPbc	05:45:16.915		6.8		3.03		TAS				m_e	
BRG	145.93		PKPbc	05:45:08.147	0.2	6.8		3.03		TAS				m_e	
BRG	145.93		pPKPbc	05:45:18.519						T__				m_e	
CLL	145.62		PKPbc	05:45:06.649	-0.3	6.8		3.03		TAS				m_e	
CLZ	145.34		PKPbc	05:45:06.145		6.8		3.03		TAS				m_e	
FBE	145.96		PKPbc	05:45:08.418	0.1	6.8		3.03		TAS				m_e	
GEC2	147.94		PKPbc	05:45:14.733		6.8		3.03		TAS				m_e	
GEC2	147.94		pPKPbc	05:45:24.015						T__				m_e	
GRA1	147.41		pPKPbc	05:45:22.786						T__				m_e	
GTTG	145.66		PKPbc	05:45:07.381		6.8		3.03		TAS				m_e	
GUNZ	146.63		PKPbc	05:45:10.728	0.5	6.8		3.03		TAS				m_e	
GUNZ	146.63		pPKPbc	05:45:21.052						T__				m_e	
MANZ	147.02		PKPbc	05:45:10.579	-0.9	6.8		3.03		TAS				m_e	
MANZ	147.02		pPKPbc	05:45:22.246						T__				m_e	
MOX	146.42		PKPbc	05:45:09.591	0.1	6.8		3.03		TAS				m_e	
MOX	146.42		pPKPbc	05:45:20.314						T__				m_e	
ROTZ	147.23		PKPbc	05:45:12.616	0.3	6.8		3.03		TAS				m_e	
TANN	146.56		PKPbc	05:45:10.431	-0.0	6.8		3.03		TAS				m_e	
UBBA	146.38		PKPbc	05:45:09.194		6.8		3.03		TAS				m_e	
WERN	146.70		PKPbc	05:45:10.984	0.5	6.8		3.03		TAS				m_e	

WERN	146.70	pPKPbc	05:45:21.622							T__						m_e
WET	147.76	PKPbc	05:45:13.949	6.8				3.03		TAS						m_e
WET	147.76	pPKPbc	05:45:23.615							T__						m_e
WLF	147.65	PKPbc	05:45:13.691	6.8				3.03		TAS						m_e
WLF	147.65	pPKPbc	05:45:23.932							T__						m_e

Event 30325007 Alaska Peninsula, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/25	20:02:49.77			56.3860	-156.4220				34.4	1.1		17		70.92	75.69	m i ke	BGR
	30325013																

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	30325013

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	72.81		P	20:14:13.180		352.9		5.89		TAS		3.9	0.87	m_e mb	4.6
BRG	72.81		pP	20:14:22.914						T__				m_e	
BUG	71.70		P	20:14:06.402		352.9		5.89		TAS		9.1	0.65	m_e mb	5.0
BUG	71.70		pP	20:14:16.050						T__				m_e	
CLL	72.32		P	20:14:09.908	0.1	352.9		5.89		TAS		4.0	0.66	m_e mb	4.7
CLZ	71.59		P	20:14:06.465	0.1	352.9		5.89		TAS		6.4	0.77	m_e mb	4.8
FBE	72.73		P	20:14:12.912	-0.2	352.9		5.89		TAS		7.2	0.94	m_e mb	4.8
FLT1	71.17		P	20:14:02.935	-0.0	352.9		5.89		TAS		4.0	0.75	m_e mb	4.6
GEC2	74.82		P	20:14:24.907		352.9		5.89		TAS		3.7	0.79	m_e mb	4.5
GEC2	74.82		pP	20:14:34.872						T__				m_e	
GRA1	73.79		P	20:14:19.142		352.9		5.89		TAS		5.8	0.65	m_e mb	4.8
GTTG	71.85		P	20:14:07.769	-0.2	352.9		5.89		TAS		12.1	0.65	m_e mb	5.2
GTTG	71.85		pP	20:14:17.339						T__				m_e	
GUNZ	73.21		P	20:14:15.605		352.9		5.89		TAS		2.4	0.77	m_e mb	4.4
GUNZ	73.21		pP	20:14:25.744						T__				m_e	
MANZ	73.57		P	20:14:17.498		352.9		5.89		TAS		4.0	1.08	m_e mb	4.4
MANZ	73.57		pP	20:14:27.226						T__				m_e	
MOX	72.88		P	20:14:13.576		352.9		5.89		TAS		8.0	0.61	m_e mb	5.0
MOX	72.88		pP	20:14:23.492						T__				m_e	
NRDL	70.92		P	20:14:01.949	0.0	352.9		5.89		TAS		6.7	0.75	m_e mb	4.9
ROTZ	73.79		P	20:14:19.100		352.9		5.89		TAS		3.3	0.76	m_e mb	4.4
ROTZ	73.79		pP	20:14:28.795						T__				m_e	
TANN	73.17		P	20:14:15.433		352.9		5.89		TAS		3.2	0.75	m_e mb	4.5
TNS	73.02		P	20:14:14.341		352.9		5.89		TAS		5.9	0.68	m_e mb	4.8
UBR	75.69		P	20:14:29.945		352.9		5.89		TAS		5.5	0.93	m_e mb	4.7
UBR	75.69		pP	20:14:39.519						T__				m_e	
WERN	73.29		P	20:14:16.248		352.9		5.89		TAS		4.4	0.63	m_e mb	4.8
WERN	73.29		pP	20:14:26.318						T__				m_e	

Event 30325009 Honduras

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/25	23:02:19.32			14.5000	-88.5000				203.6	8.8		30		82.06	87.05	m i ke	BGR
OrigID 30325015																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.8		BGR	30325015

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	84.22		P	23:14:28.164	0.0	286.7		4.99		TAS		84.1	1.01	m_e	mb	5.9
BFO	83.78		P	23:14:25.354	0.2	286.7		4.99		TAS		48.3	1.28	m_e	mb	5.6
BFO	83.78		pP	23:15:14.465						T__				m_e		
BRG	86.55		P	23:14:39.150		286.7		4.99		TAS		39.7	1.06	m_e	mb	5.5
BRG	86.55		pP	23:15:29.093						T__				m_e		
BSEG	83.52		P	23:14:24.567	0.1	286.7		4.99		TAS		93.8	0.92	m_e	mb	6.0
BUG	82.35		P	23:14:18.394	-0.3	286.7		4.99		TAS		45.5	0.92	m_e	mb	5.6
BUG	82.35		pP	23:15:06.749						T__				m_e		
CLL	85.85		P	23:14:36.016	0.1	286.7		4.99		TAS		65.5	0.76	m_e	mb	5.8
CLZ	84.12		P	23:14:27.907	-0.2	286.7		4.99		TAS		96.7	0.77	m_e	mb	6.1
CLZ	84.12		pP	23:15:17.827						T__				m_e		
FBE	86.18		P	23:14:37.903	-0.4	286.7		4.99		TAS		61.1	0.90	m_e	mb	5.7
FBE	86.18		pP	23:15:29.469						T__				m_e		
FLT1	84.50		P	23:14:29.030	0.0	286.7		4.99		TAS		65.2	0.87	m_e	mb	5.9
FLT1	84.50		pP	23:15:19.134						T__				m_e		
FUR	85.72		P	23:14:35.481	0.2	286.7		4.99		TAS		41.7	0.86	m_e	mb	5.6
GEC2	87.05		P	23:14:41.805		286.7		4.99		TAS		33.1	0.96	m_e	mb	5.4
GEC2	87.05		pP	23:15:31.729						T__				m_e		
GOR1	84.35		P	23:14:28.453	-0.4	286.7		4.99		TAS		76.6	1.15	m_e	mb	5.8
GRA1	85.24		P	23:14:33.581	0.1	286.7		4.99		TAS		97.5	0.78	m_e	mb	6.1
GTTG	83.96		P	23:14:26.963	0.4	286.7		4.99		TAS		180.8	0.76	m_e	mb	6.4
GUNZ	85.73		P	23:14:35.733	0.1	286.7		4.99		TAS		47.6	0.95	m_e	mb	5.6
IBBN	82.44		P	23:14:18.866	0.4	286.7		4.99		TAS		57.9	0.75	m_e	mb	5.8
IBBN	82.44		pP	23:15:07.094						T__				m_e		
MOX	85.21		P	23:14:32.974	0.0	286.7		4.99		TAS		43.4	0.83	m_e	mb	5.7
MOX	85.21		pP	23:15:23.043						T__				m_e		
NEUB	85.14		P	23:14:32.694	-0.0	286.7		4.99		TAS		76.4	0.65	m_e	mb	6.1
NEUB	85.14		pP	23:15:22.722						T__				m_e		
NRDL	83.79		P	23:14:25.981	-0.5	286.7		4.99		TAS		58.3	0.97	m_e	mb	5.8
NRDL	83.79		pP	23:15:14.909						T__				m_e		
PLN	85.59		P	23:14:34.926	-0.1	286.7		4.99		TAS		97.9	1.34	m_e	mb	5.8
PLN	85.59		pP	23:15:24.935						T__				m_e		
RETH	83.28		P	23:14:23.743	0.1	286.7		4.99		TAS		115.3	0.64	m_e	mb	6.3
ROTZ	85.83		P	23:14:36.284	0.2	286.7		4.99		TAS		32.3	0.98	m_e	mb	5.4
ROTZ	85.83		pP	23:15:26.442						T__				m_e		
STU	84.22		P	23:14:28.050	-0.2	286.7		4.99		TAS		68.1	0.66	m_e	mb	6.0
TANN	85.79		P	23:14:36.095	0.2	286.7		4.99		TAS		161.9	1.27	m_e	mb	6.0

TANN	85.79	pP	23:15:26.085							T__				m_e	
TNS	83.37	P	23:14:23.921	0.1	286.7			4.99		TAS	63.4	1.20	m_e mb		5.7
TNS	83.37	pP	23:15:12.624							T__				m_e	
UBBA	84.17	P	23:14:27.624	0.1	286.7			4.99		TAS	34.1	0.75	m_e mb		5.7
UBR	85.10	P	23:14:32.694	0.4	286.7			4.99		TAS	90.9	0.84	m_e mb		6.0
WERN	85.78	P	23:14:35.959	-0.1	286.7			4.99		TAS	81.9	1.18	m_e mb		5.7
WERN	85.78	pP	23:15:26.224							T__				m_e	
WET	86.44	P	23:14:39.305		286.7			4.99		TAS	83.3	1.13	m_e mb		5.8
WET	86.44	pP	23:15:29.119							T__				m_e	
WLF	82.06	P	23:14:17.407	-0.3	286.7			4.99		TAS	65.7	0.66	m_e mb		5.9
WLF	82.06	pP	23:15:05.542							T__				m_e	

Event 30326001 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/26	06:16:49.28			-16.9190	-177.3650				550.0				25	142.58	148.71	m i ke	BGR
	30326007																

Magnitude Err Nsta Author

OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BFO	148.33		PKPbc	06:35:32.378		15.0		2.83		TAS					m_e
BRG	144.94		PKPbc	06:35:23.194	-0.1	15.0		2.83		TAS					m_e
BSEG	142.58		PKPbc	06:35:15.837	-0.1	15.0		2.83		TAS					m_e
CLL	144.71		PKPbc	06:35:22.525	0.1	15.0		2.83		TAS					m_e
CLZ	144.62		PKPbc	06:35:22.748	0.1	15.0		2.83		TAS					m_e
FBE	145.01		PKPbc	06:35:23.832	0.4	15.0		2.83		TAS					m_e
FLT1	144.02		PKPbc	06:35:20.164	0.3	15.0		2.83		TAS					m_e
FUR	148.04		PKPbc	06:35:31.662		15.0		2.83		TAS					m_e
GEC2	146.90		PKPbc	06:35:28.657		15.0		2.83		TAS					m_e
GRA1	146.58		PKPbc	06:35:28.342		15.0		2.83		TAS					m_e
GTTG	144.96		PKPbc	06:35:23.645	0.3	15.0		2.83		TAS					m_e
GUNZ	145.74		PKPbc	06:35:25.829	0.5	15.0		2.83		TAS					m_e
IBBN	144.46		PKPbc	06:35:22.165	0.1	15.0		2.83		TAS					m_e
MANZ	146.14		PKPbc	06:35:26.870	-0.6	15.0		2.83		TAS					m_e
MOX	145.59		PKPbc	06:35:25.161	0.2	15.0		2.83		TAS					m_e
NEUB	145.03		PKPbc	06:35:23.658	0.2	15.0		2.83		TAS					m_e
NRDL	144.02		PKPbc	06:35:20.591	-0.1	15.0		2.83		TAS					m_e
ROTZ	146.33		PKPbc	06:35:27.397	-0.6	15.0		2.83		TAS					m_e
TANN	145.66		PKPbc	06:35:25.440	-0.1	15.0		2.83		TAS					m_e
TNS	146.45		PKPbc	06:35:27.914		15.0		2.83		TAS					m_e
UBBA	145.67		PKPbc	06:35:25.276	-0.3	15.0		2.83		TAS					m_e
UBR	148.71		PKPbc	06:35:33.349		15.0		2.83		TAS					m_e
WERN	145.80		PKPbc	06:35:26.085	-0.4	15.0		2.83		TAS					m_e
WET	146.80		PKPbc	06:35:28.456		15.0		2.83		TAS					m_e
WLF	147.21		PKPbc	06:35:30.612		15.0		2.83		TAS					m_e

Event 30326002 Western Caucasus

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/26	23:35:25.79			43.0900	41.4200				10.0			22		20.05	24.27	m i ke	BGR

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	30326008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	22.47		P	23:40:25.085	-0.4	97.6		10.64		TAS		53.7	1.24	m_e mb	4.8
BFO	23.58		P	23:40:35.900		97.6		10.64		TAS		25.3	1.22	m_e mb	4.6
BRG	20.21		P	23:40:01.084	-0.4	97.6		10.64		TAS		22.5	1.08	m_e mb	4.3
CLL	20.88		P	23:40:08.711	0.3	97.6		10.64		TAS		33.5	0.93	m_e mb	4.7
CLZ	22.60		P	23:40:26.800	-0.1	97.6		10.64		TAS		47.2	1.36	m_e mb	4.8
FBE	20.59		P	23:40:05.716	0.3	97.6		10.64		TAS		75.2	1.34	m_e mb	4.9
FLT1	22.17		P	23:40:21.505	0.6	97.6		10.64		TAS		32.3	1.03	m_e mb	4.7
GEC2	20.05		P	23:39:59.574	0.1	97.6		10.64		TAS		70.4	1.34	m_e mb	4.7
GRA1	21.75		P	23:40:18.025	0.3	97.6		10.64		TAS		51.0	1.05	m_e mb	4.9
GUNZ	21.13		P	23:40:11.212	-0.4	97.6		10.64		TAS		38.6	1.08	m_e mb	4.7
IBBN	24.27		P	23:40:43.991		97.6		10.64		TAS		44.7	1.17	m_e mb	4.9
MOX	21.62		P	23:40:16.471	-0.0	97.6		10.64		TAS		39.5	1.51	m_e mb	4.6
NEUB	21.62		P	23:40:16.593	0.4	97.6		10.64		TAS		70.9	0.91	m_e mb	5.1
PLN	21.26		P	23:40:12.314	0.2	97.6		10.64		TAS		24.3	1.00	m_e mb	4.5
RETH	23.38		P	23:40:34.274		97.6		10.64		TAS		154.3	2.07	m_e mb	5.2
RUE	20.70		P	23:40:05.327	-0.1	97.6		10.64		TAS		78.3	1.02	m_e mb	5.0
STU	23.01		P	23:40:31.422		97.6		10.64		TAS		102.6	1.05	m_e mb	5.3
TANN	21.06		P	23:40:10.455	-0.1	97.6		10.64		TAS		76.9	1.06	m_e mb	5.0
TNS	23.59		P	23:40:37.059		97.6		10.64		TAS		36.9	1.56	m_e mb	4.7
UBR	22.38		P	23:40:23.405	0.1	97.6		10.64		TAS		71.8	1.33	m_e mb	4.9
WERN	21.09		P	23:40:11.020	0.1	97.6		10.64		TAS		48.3	1.10	m_e mb	4.7
WET	20.62		P	23:40:05.387	-0.3	97.6		10.64		TAS		22.6	1.10	m_e mb	4.4

Event 30327003 Hokkaido, Japan, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/27	01:25:45.50	4.43	0.34	45.3700	142.7000	177.9	105.6	78	280.1			17	355	73.08	79.58	m i ke	NEIC

Magnitude	Err	Nsta	Author	OrigID
mb	4.8		BGR	30327009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	74.48		P	01:36:52.871	-0.3	32.9		5.67		TAS		7.4	0.98	m_e	mb 4.7
BALST	79.58		P	01:37:21.387		32.9		5.67		TAS				m_e	
BFO	78.51		P	01:37:15.388		32.9		5.67		TAS		8.8	0.96	m_e	mb 4.8
BSEG	73.08		P	01:36:44.805	-0.5	32.9		5.67		TAS		6.4	0.91	m_e	mb 4.7
CLL	74.36		P	01:36:51.920	-0.0	32.9		5.67		TAS		14.4	0.85	m_e	mb 5.0
CLL	74.36		pP	01:37:59.128	0.5					T__				m_e	
CLZ	74.82		P	01:36:55.238	0.4	32.9		5.67		TAS		9.7	0.85	m_e	mb 4.9
CLZ	74.82		pP	01:38:00.690	-0.3					T__				m_e	
DAVA	78.85		P	01:37:17.715		32.9		5.67		TAS				m_e	
FBE	74.56		pP	01:37:59.616	-0.2					T__				m_e	
FLT1	74.12		P	01:36:50.358	0.0	32.9		5.67		TAS		12.4	0.92	m_e	mb 4.9
FLT1	74.12		pP	01:37:56.881	-0.1					T__				m_e	
FUR	77.61		P	01:37:11.172		32.9		5.67		TAS		19.6	0.89	m_e	mb 5.2
GEC2	76.15		P	01:37:02.512		32.9		5.67		TAS		4.6	0.87	m_e	mb 4.6
GRA1	76.34		P	01:37:04.062		32.9		5.67		TAS		18.9	0.86	m_e	mb 5.2
GUNZ	75.39		P	01:36:58.354		32.9		5.67		TAS		5.5	0.88	m_e	mb 4.6
MANZ	75.78		P	01:37:00.486		32.9		5.67		TAS		4.1	0.91	m_e	mb 4.5
MOX	75.40		P	01:36:58.319		32.9		5.67		TAS		5.7	0.91	m_e	mb 4.6
NRDL	74.36		pP	01:37:58.285	0.1					T__				m_e	
PLONS	79.23		P	01:37:19.460		32.9		5.67		TAS				m_e	
ROTZ	75.93		P	01:37:01.518		32.9		5.67		TAS		7.5	0.96	m_e	mb 4.8
SLE	78.93		P	01:37:17.329		32.9		5.67		TAS				m_e	
STU	77.83		P	01:37:11.919		32.9		5.67		TAS		19.2	1.00	m_e	mb 5.2
SULZ	79.27		P	01:37:19.416		32.9		5.67		TAS				m_e	
TNS	76.84		P	01:37:06.079		32.9		5.67		TAS		10.4	1.12	m_e	mb 4.9
WERN	75.43		P	01:36:58.525		32.9		5.67		TAS		5.3	0.90	m_e	mb 4.6
WERN	75.43		pP	01:38:05.817	0.9					T__				m_e	
WET	76.20		P	01:37:03.330		32.9		5.67		TAS		12.2	0.91	m_e	mb 5.0
WET	76.20		pP	01:38:09.247	-0.3					T__				m_e	
WTTA	78.23		P	01:37:14.422		32.9		5.67		TAS				m_e	

Event 30327004 Taiwan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/27	02:03:17.62			23.0100	121.9320				33.0			31		82.42	87.99	m i ke	BGR
30327010																	

Magnitude	Err	Nsta	Author	OrigID
mb	6.1		BGR	30327010
Ms	6.2		BGR	30327010

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	84.26		P	02:15:44.815	-0.1	59.8		5.01		TAS		194.3	1.57	m_e	mb 6.1
BFO	87.52		P	02:16:00.802		59.8		5.01		TAS		165.6	1.82	m_e	mb 6.1
BRG	83.08		P	02:15:38.790	0.1	59.8		5.01		TAS		273.1	2.07	m_e	mb 6.1

BSEG	83.53	P	02:15:41.287	-0.5	59.8	5.01	TAS	135.1	1.38	m_e	mb	6.0
BSEG	83.53	PP	02:18:54.894				T__			m_e		
BUG	86.42	P	02:15:55.470	-0.1	59.8	5.01	TAS	275.9	1.55	m_e	mb	6.2
CLL	83.40	P	02:15:40.239	0.2	59.8	5.01	TAS	112.7	1.16	m_e	mb	6.0
CLZ	84.56	P	02:15:46.737	0.3	59.8	5.01	TAS	240.4	1.39	m_e	mb	6.2
FBE	83.39	P	02:15:40.635	-0.4	59.8	5.01	TAS	262.9	1.60	m_e	mb	6.2
FLT1	83.85	P	02:15:42.361	-0.1	59.8	5.01	TAS	198.6	1.63	m_e	mb	6.1
FLT1	83.85	PP	02:18:57.138				T__			m_e		
FUR	85.92	P	02:15:53.803	0.1	59.8	5.01	TAS	373.2	1.40	m_e	mb	6.3
GEC2	84.18	P	02:15:44.709	0.1	59.8	5.01	TAS	76.1	1.07	m_e	mb	5.9
GOR1	83.49	P	02:15:41.248	0.1	59.8	5.01	TAS	389.5	1.48	m_e	mb	6.4
GRA1	85.19	P	02:15:50.002	0.1	59.8	5.01	TAS	324.0	1.51	m_e	mb	6.3
GRA1	85.19	L	02:57:06.394				T__	7501.9	19.70	a_e	Ms	6.1
GUNZ	84.23	P	02:15:44.909	0.2	59.8	5.01	TAS	155.1	1.45	m_e	mb	6.0
IBBN	85.69	P	02:15:52.196	-0.2	59.8	5.01	TAS	221.1	1.55	m_e	mb	6.1
MANZ	84.54	P	02:15:46.241	0.3	59.8	5.01	TAS	120.8	1.47	m_e	mb	5.9
MOX	84.49	P	02:15:45.724	0.1	59.8	5.01	TAS	149.4	1.52	m_e	mb	6.0
MOX	84.49	PP	02:19:02.720				T__			m_e		
MOX	84.49	L	02:58:09.542				T__	12532.6	18.70	a_e	Ms	6.3
NEUB	84.13	P	02:15:44.136	-0.0	59.8	5.01	TAS	176.9	1.35	m_e	mb	6.1
NRDL	84.37	P	02:15:45.691	-0.3	59.8	5.01	TAS	215.6	1.57	m_e	mb	6.1
PLN	84.27	P	02:15:44.828	0.3	59.8	5.01	TAS	147.4	1.64	m_e	mb	6.0
RETH	84.63	P	02:15:46.789	0.0	59.8	5.01	TAS	115.7	1.38	m_e	mb	5.9
ROTZ	84.59	P	02:15:46.895	0.0	59.8	5.01	TAS	148.7	1.36	m_e	mb	6.0
RUE	82.42	P	02:15:35.442	-0.2	59.8	5.01	TAS	244.1	1.37	m_e	mb	6.1
STU	86.80	P	02:15:57.532	-0.5	59.8	5.01	TAS	61.1	1.07	m_e	mb	5.7
TANN	84.13	P	02:15:44.268	0.2	59.8	5.01	TAS	384.3	1.98	m_e	mb	6.3
TANN	84.13	PP	02:18:58.921				T__			m_e		
TNS	86.44	P	02:15:56.015	-0.4	59.8	5.01	TAS	264.6	2.20	m_e	mb	6.0
UBBA	85.29	P	02:15:50.070	0.5	59.8	5.01	TAS	271.7	1.87	m_e	mb	6.2
UBR	86.85	P	02:15:57.498	0.1	59.8	5.01	TAS	194.1	1.56	m_e	mb	6.0
WERN	84.24	P	02:15:45.042	-0.1	59.8	5.01	TAS	95.3	1.28	m_e	mb	5.9
WET	84.51	P	02:15:46.320	-0.1	59.8	5.01	TAS	261.0	2.01	m_e	mb	6.1
WLF	87.99	P	02:16:03.766		59.8	5.01	TAS	174.1	1.03	m_e	mb	6.3

Event 30328001 Guatemala

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/28	02:53:08.47			14.0100	-89.5900				33.0			25		83.12	88.10	m i ke	BGR
30328007																	

Magnitude	Err	Nsta	Author	OrigID
mb	4.7		BGR	30328007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	85.25		P	03:05:42.208	-0.6	287.0		4.95		TAS		5.9	0.81	m_e	mb	4.9

BFO	84.84	P	03:05:39.735	0.0	287.0	4.95	TAS	4.4	0.92	m_e	mb	4.7
BRG	87.58	P	03:05:53.891		287.0	4.95	TAS	1.6	0.75	m_e	mb	4.4
BSEG	84.53	P	03:05:38.474	0.0	287.0	4.95	TAS	17.3	0.80	m_e	mb	5.3
BUG	83.39	P	03:05:33.387	0.1	287.0	4.95	TAS	5.8	0.82	m_e	mb	4.8
CLL	86.88	P	03:05:50.949		287.0	4.95	TAS	2.5	0.80	m_e	mb	4.4
CLZ	85.15	P	03:05:41.869	-0.3	287.0	4.95	TAS	11.7	0.79	m_e	mb	5.2
FLT1	85.52	P	03:05:42.984	0.3	287.0	4.95	TAS	7.8	0.75	m_e	mb	4.9
GEC2	88.10	P	03:05:55.930		287.0	4.95	TAS	2.4	0.78	m_e	mb	4.6
GRA1	86.29	P	03:05:47.638	0.7	287.0	4.95	TAS	8.6	0.85	m_e	mb	4.9
GTTG	84.99	P	03:05:40.947	-0.2	287.0	4.95	TAS	26.0	0.80	m_e	mb	5.5
GUNZ	86.77	P	03:05:49.723	0.2	287.0	4.95	TAS	2.4	0.82	m_e	mb	4.4
MANZ	86.75	P	03:05:49.675	0.0	287.0	4.95	TAS	2.8	0.85	m_e	mb	4.4
MOX	86.25	P	03:05:46.911	0.0	287.0	4.95	TAS	3.0	0.83	m_e	mb	4.5
NEUB	86.18	P	03:05:46.572	0.0	287.0	4.95	TAS	7.9	0.78	m_e	mb	4.9
NRDL	84.81	P	03:05:39.978	0.2	287.0	4.95	TAS	7.0	0.80	m_e	mb	4.9
ROTZ	86.88	P	03:05:50.354		287.0	4.95	TAS	1.3	0.89	m_e	mb	4.1
STU	85.28	P	03:05:41.980	0.3	287.0	4.95	TAS	12.8	0.86	m_e	mb	5.2
TANN	86.83	P	03:05:49.921		287.0	4.95	TAS	4.4	0.84	m_e	mb	4.6
TNS	84.42	P	03:05:38.184	-0.4	287.0	4.95	TAS	11.4	0.84	m_e	mb	5.1
UBBA	85.22	P	03:05:41.792	-0.2	287.0	4.95	TAS	1.6	0.62	m_e	mb	4.4
UBR	86.17	P	03:05:46.911	-0.1	287.0	4.95	TAS	10.4	0.87	m_e	mb	5.0
WERN	86.82	P	03:05:49.962	-0.3	287.0	4.95	TAS	2.8	0.84	m_e	mb	4.4
WET	87.49	P	03:05:53.292		287.0	4.95	TAS	1.7	0.80	m_e	mb	4.2
WLF	83.12	P	03:05:31.677	0.4	287.0	4.95	TAS	7.2	0.92	m_e	mb	4.9

Event 30328002 South of Tonga Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/28	03:34:25.13			-24.1800	-174.7100				21.6	0.3		20		150.05	154.12	m i ke	BGR
30328008																	

Magnitude	Err	Nsta	Author	OrigID
Ms	5.4		BGR	30328008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	151.79		PKPbc	03:54:18.211	-0.1	11.2		2.36		TAS					m_e
BRG	152.52		PKPbc	03:54:19.897	-0.3	11.2		2.36		TAS					m_e
BRG	152.52		pPKPbc	03:54:26.368						T__					m_e
BSEG	150.05		PKPbc	03:54:13.974	0.1	11.2		2.36		TAS					m_e
BUG	152.74		PKPbc	03:54:20.199	-0.1	11.2		2.36		TAS					m_e
CLL	152.27		PKPbc	03:54:19.163	-0.1	11.2		2.36		TAS					m_e
CLL	152.27		pPKPbc	03:54:25.615						T__					m_e
CLZ	152.11		PKPbc	03:54:19.072	-0.1	11.2		2.36		TAS					m_e
FBE	152.58		PKPbc	03:54:20.247	-0.1	11.2		2.36		TAS					m_e
FBE	152.58		pPKPbc	03:54:26.871						T__					m_e
FLT1	151.53		PKPbc	03:54:17.297	0.3	11.2		2.36		TAS					m_e

GRA1	154.12	L	05:10:25.130							T__	695.4	19.80	a_e Ms	5.5
GTTG	152.44	PKPbc	03:54:19.656	0.2	11.2	2.36				TAS			m_e	
GTTG	152.44	pPKPbc	03:54:26.240							T__			m_e	
GUNZ	153.29	PKPbc	03:54:21.796		11.2	2.36				TAS			m_e	
IBBN	151.85	PKPbc	03:54:18.490	0.1	11.2	2.36				TAS			m_e	
MANZ	153.70	PKPbc	03:54:22.606		11.2	2.36				TAS			m_e	
MOX	153.13	PKPbc	03:54:21.098	0.1	11.2	2.36				TAS			m_e	
MOX	153.13	L	05:04:17.605							T__	520.6	21.80	a_e Ms	5.3
NEUB	152.57	PKPbc	03:54:19.840	-0.1	11.2	2.36				TAS			m_e	
NRDL	151.49	PKPbc	03:54:17.331	0.1	11.2	2.36				TAS			m_e	
PLN	153.20	PKPbc	03:54:21.360	-0.0	11.2	2.36				TAS			m_e	
RETH	151.32	PKPbc	03:54:17.058	0.1	11.2	2.36				TAS			m_e	
RUE	151.01	PKPbc	03:54:16.180	-0.1	11.2	2.36				TAS			m_e	
TANN	153.22	PKPbc	03:54:21.429		11.2	2.36				TAS			m_e	
WERN	153.36	PKPbc	03:54:22.027		11.2	2.36				TAS			m_e	

Event 30328003 Kermadec Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/28	04:25:35.20			-28.4600	-175.4600				34.5					158.19	158.19	m i ke	NEIC
	30328057																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	158.19		PKPab	04:46:06.730		16.0		4.01		TAS				m_e	

Event 30329003 Northern Xinjiang, China

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/29	05:01:05.65			43.0400	87.6500				31.6	1.4		32		48.50	54.03	m i ke	BGR
	30329009																

Magnitude Err Nsta Author OrigID

mb	5.3		BGR	30329009
Ms	5.1		BGR	30329009

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	50.41		pP	05:10:08.495	-0.3	67.1		7.55		TAS				m_e	
BFO	53.33		P	05:10:21.728		67.4		7.56		TAS		19.7	1.13	m_e mb	4.9
BFO	53.33		pP	05:10:30.415	-0.2	67.1		7.55		TAS				m_e	
BRG	48.97		P	05:09:49.175	-0.0	67.4		7.56		TAS		62.8	1.67	m_e mb	5.4
BRG	48.97		pP	05:09:57.559	-0.5	67.1		7.55		TAS				m_e	

BSEG	49.95	P	05:09:57.247	-0.8	67.4	7.56	TAS	62.0	1.30	m_e	mb	5.4
BSEG	49.95	pP	05:10:05.438	0.6	67.1	7.55	TAS			m_e		
BSEG	49.95	PP	05:11:56.864				T__			m_e		
BUG	52.62	P	05:10:16.938		67.4	7.56	TAS	45.0	1.14	m_e	mb	5.3
BUG	52.62	pP	05:10:25.406	-0.6	67.1	7.55	TAS			m_e		
CLL	49.37	P	05:09:51.972	0.5	67.4	7.56	TAS	57.1	0.99	m_e	mb	5.6
CLL	49.37	pP	05:10:00.574	-0.5	67.1	7.55	TAS			m_e		
CLZ	50.69	P	05:10:02.476	0.5	67.4	7.56	TAS	23.5	1.32	m_e	mb	5.0
CLZ	50.69	pP	05:10:11.201	0.2	67.1	7.55	TAS			m_e		
FBE	49.30	P	05:09:52.027	-0.6	67.4	7.56	TAS	51.5	1.10	a_e	mb	5.5
FBE	49.30	pP	05:10:00.653	0.1	67.1	7.55	TAS			m_e		
FLT1	50.01	P	05:09:56.577	0.0	67.4	7.56	TAS	26.7	0.71	a_e	mb	5.3
FLT1	50.01	pP	05:10:05.243	-0.6	67.1	7.55	TAS			m_e		
FLT1	50.01	PP	05:11:57.492				T__			m_e		
FUR	51.63	P	05:10:10.075	-0.1	67.4	7.56	TAS	79.9	1.15	m_e	mb	5.5
FUR	51.63	pP	05:10:18.558	0.6	67.1	7.55	TAS			m_e		
GEC2	49.88	P	05:09:56.376	-0.1	67.4	7.56	TAS	47.4	1.83	m_e	mb	5.1
GEC2	49.88	pP	05:10:04.993	0.3	67.1	7.55	TAS			m_e		
GEC2	49.88	PP	05:11:56.851				T__			m_e		
GOR1	49.73	P	05:09:55.677	0.3	67.4	7.56	TAS	87.6	1.05	a_e	mb	5.6
GOR1	49.73	pP	05:10:04.169	0.6	67.1	7.55	TAS			m_e		
GOR1	49.73	PP	05:11:55.662				T__			m_e		
GRA1	51.03	P	05:10:05.533	-0.1	67.4	7.56	TAS	107.0	1.41	m_e	mb	5.6
GRA1	51.03	pP	05:10:13.986	0.3	67.1	7.55	TAS			m_e		
GRA1	51.03	L	05:32:32.083				T__	2389.0	19.10	a_e	Ms	5.2
GTTG	51.04	P	05:10:05.302	-0.3	67.4	7.56	TAS	120.3	1.03	m_e	mb	5.8
GTTG	51.04	pP	05:10:14.056	0.4	67.1	7.55	TAS			m_e		
GUNZ	50.11	P	05:09:58.177	0.0	67.4	7.56	TAS	43.1	1.24	m_e	mb	5.2
GUNZ	50.11	pP	05:10:06.777	0.1	67.1	7.55	TAS			m_e		
GUNZ	50.11	PP	05:12:00.817				T__			m_e		
IBBN	51.99	P	05:10:12.137	-0.7	67.4	7.56	TAS	39.9	0.73	m_e	mb	5.4
MANZ	50.39	P	05:10:00.237	0.1	67.4	7.56	TAS	16.8	1.08	m_e	mb	4.9
MANZ	50.39	pP	05:10:08.710	-0.1	67.1	7.55	TAS			m_e		
MOX	50.43	P	05:10:00.421	0.3	67.4	7.56	TAS	33.7	1.17	m_e	mb	5.2
MOX	50.43	pP	05:10:09.032	-0.1	67.1	7.55	TAS			m_e		
MOX	50.43	L	05:31:19.038				T__	1442.3	22.00	a_e	Ms	4.9
NEUB	50.13	P	05:09:57.877	-0.1	67.4	7.56	TAS	75.6	1.26	a_e	mb	5.5
NEUB	50.13	pP	05:10:06.520	-0.3	67.1	7.55	TAS			m_e		
NRDL	50.59	P	05:10:02.000	0.3	67.4	7.56	TAS	69.0	1.24	m_e	mb	5.4
NRDL	50.59	pP	05:10:10.453	0.3	67.1	7.55	TAS			m_e		
PLN	50.17	P	05:09:58.444	0.2	67.4	7.56	TAS	26.9	1.28	m_e	mb	5.0
PLN	50.17	pP	05:10:07.073	-0.1	67.1	7.55	TAS			m_e		
RETH	50.92	P	05:10:04.415	0.8	67.4	7.56	TAS	34.3	1.12	m_e	mb	5.2
RETH	50.92	pP	05:10:12.873	0.3	67.1	7.55	TAS			m_e		
ROTZ	50.42	P	05:10:00.518	-0.1	67.4	7.56	TAS	36.5	1.36	m_e	mb	5.1
ROTZ	50.42	pP	05:10:09.200	0.2	67.1	7.55	TAS			m_e		
RUE	48.50	P	05:09:45.555	-0.3	67.4	7.56	TAS	63.3	0.89	m_e	mb	5.7
RUE	48.50	pP	05:09:54.011	-0.5	67.1	7.55	TAS			m_e		
STU	52.63	P	05:10:16.844		67.4	7.56	TAS	42.0	1.38	m_e	mb	5.2

Station	Mag	Type	Time	Lat	Long	Depth	Def	SNR	Amp	Per	Qual	Magnitude
STU	52.63	pP	05:10:25.424	-0.1	67.1	7.55	TAS				m_e	
TANN	50.02	P	05:09:57.347	0.8	67.4	7.56	TAS	60.8	1.16		m_e mb	5.4
TANN	50.02	pP	05:10:06.058	0.1	67.1	7.55	TAS				m_e	
TANN	50.02	PP	05:11:57.890				T__				m_e	
TNS	52.45	P	05:10:15.595		67.4	7.56	TAS	52.7	1.56		m_e mb	5.2
TNS	52.45	pP	05:10:24.279	0.4	67.1	7.55	TAS				m_e	
UBBA	51.30	pP	05:10:15.337	-0.4	67.1	7.55	TAS				m_e	
UBR	52.54	P	05:10:16.424		67.4	7.56	TAS	57.3	0.92		m_e mb	5.5
UBR	52.54	pP	05:10:25.258	-0.2	67.1	7.55	TAS				m_e	
WERN	50.12	P	05:09:58.194	-0.4	67.4	7.56	TAS	40.1	1.53		m_e mb	5.1
WERN	50.12	pP	05:10:06.792	0.1	67.1	7.55	TAS				m_e	
WERN	50.12	PP	05:12:00.773				T__				m_e	
WET	50.26	P	05:09:59.266	0.0	67.4	7.56	TAS	29.6	1.17		m_e mb	5.1
WET	50.26	pP	05:10:07.825	0.1	67.1	7.55	TAS				m_e	
WET	50.26	PP	05:11:59.766				T__				m_e	
WLF	54.03	pP	05:10:36.081		67.1	7.55	TAS				m_e	

Event 30329004 New Britain, Papua New Guinea, region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/29	06:01:05.40			-4.8100	151.6300				139.0			16		121.81	126.06	m i ke	NEIC
	30329058																

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
BRG	122.10		PKPdf	06:19:43.357	-0.3	50.2		1.91		TAS				m_e	
BSEG	121.81		PKPdf	06:19:43.075	0.1	50.2		1.91		TAS				m_e	
CLL	122.29		PKPdf	06:19:43.492	0.3	50.2		1.91		TAS				m_e	
CLZ	123.20		PKPdf	06:19:45.576	-0.1	50.2		1.91		TAS				m_e	
FBE	122.36		PKPdf	06:19:44.156	-0.2	50.2		1.91		TAS				m_e	
FLT1	122.47		PKPdf	06:19:43.909	0.1	50.2		1.91		TAS				m_e	
GEC2	123.45		PKPdf	06:19:45.949		50.2		1.91		TAS				m_e	
MANZ	123.57		PKPdf	06:19:46.256		50.2		1.91		TAS				m_e	
NRDL	122.88		PKPdf	06:19:45.037	0.1	50.2		1.91		TAS				m_e	
PLN	123.23		PKPdf	06:19:45.465	0.1	50.2		1.91		TAS				m_e	
RETH	123.05		PKPdf	06:19:45.283	-0.1	50.2		1.91		TAS				m_e	
STU	125.81		PKPdf	06:19:50.662		50.2		1.91		TAS				m_e	
TANN	123.12		PKPdf	06:19:45.450	0.1	50.2		1.91		TAS				m_e	
UBR	126.06		PKPdf	06:19:50.745		50.2		1.91		TAS				m_e	
WERN	123.24		PKPdf	06:19:45.660	0.2	50.2		1.91		TAS				m_e	
WET	123.70		PKPdf	06:19:46.554		50.2		1.91		TAS				m_e	

Event 30330001 Samar, Philippine Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/30	01:50:57.83			12.9600	124.5800				26.5	1.2		27		92.03	97.60	m i k e	BGR
30330007																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.3		BGR	30330007
Ms	5.0		BGR	30330007

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude	
ASSE	93.90		P	02:04:13.278	-0.0	63.7		4.56		TAS		21.3	1.46	m_e	mb	5.3
ASSE	93.90		pP	02:04:21.096	0.2	63.1		4.66		TAS				m_e		
BRG	92.60		P	02:04:07.339	0.0	63.7		4.56		TAS		13.1	1.32	m_e	mb	5.2
BRG	92.60		pP	02:04:15.025	-0.0	63.1		4.66		TAS				m_e		
BSEG	93.28		P	02:04:10.348	-0.1	63.7		4.56		TAS		15.4	1.23	m_e	mb	5.3
BUG	96.09		P	02:04:23.060	-0.4	63.7		4.56		TAS		22.0	1.26	m_e	mb	5.5
CLL	92.96		P	02:04:08.557	-0.4	63.7		4.56		TAS		14.7	1.40	m_e	mb	5.2
CLL	92.96		pP	02:04:16.223	0.0	63.1		4.66		TAS				m_e		
CLZ	94.20		P	02:04:14.944	0.3	63.7		4.56		TAS		13.5	1.07	m_e	mb	5.2
CLZ	94.20		pP	02:04:22.626	0.1	63.1		4.66		TAS				m_e		
FBE	92.92		P	02:04:09.041	0.2	63.7		4.56		TAS		59.7	1.95	m_e	mb	5.7
FLT1	93.50		P	02:04:10.922	-0.5	63.7		4.56		TAS		10.7	1.24	m_e	mb	5.0
FLT1	93.50		pP	02:04:18.597	0.1	63.1		4.66		TAS				m_e		
GEC2	93.57		P	02:04:11.687	-0.1	63.7		4.56		TAS		21.4	1.24	m_e	mb	5.3
GEC2	93.57		pP	02:04:19.435		63.1		4.66		TAS				m_e		
GRA1	94.68		P	02:04:16.935	0.1	63.7		4.56		TAS				m_e		
GRA1	94.68		pP	02:04:25.038		63.1		4.66		TAS				m_e		
GRA1	94.68		L	02:55:31.728						T__		623.8	19.10	a_e	Ms	5.1
GTTG	94.56		P	02:04:16.378	0.1	63.7		4.56		TAS		52.2	1.71	m_e	mb	5.7
GTTG	94.56		pP	02:04:24.167	-0.4	63.1		4.66		TAS				m_e		
GUNZ	93.74		P	02:04:12.667	0.1	63.7		4.56		TAS		13.2	1.26	m_e	mb	5.1
GUNZ	93.74		pP	02:04:20.430	0.2	63.1		4.66		TAS				m_e		
IBBN	95.41		P	02:04:20.076	0.1	63.7		4.56		TAS				m_e		
IBBN	95.41		pP	02:04:27.772	-0.5	63.1		4.66		TAS				m_e		
MANZ	94.03		P	02:04:14.095	0.2	63.7		4.56		TAS		35.8	2.19	m_e	mb	5.3
MOX	94.03		P	02:04:13.741	-0.1	63.7		4.56		TAS		21.7	1.65	m_e	mb	5.2
MOX	94.03		pP	02:04:21.521	0.1	63.1		4.66		TAS				m_e		
MOX	94.03		L	02:53:51.682						T__		444.6	19.50	a_e	Ms	4.9
NEUB	93.70		P	02:04:12.277	-0.1	63.7		4.56		TAS		14.5	1.16	m_e	mb	5.2
NEUB	93.70		pP	02:04:19.879	0.0	63.1		4.66		TAS				m_e		
NRDL	94.05		P	02:04:14.301	0.4	63.7		4.56		TAS		29.6	1.42	m_e	mb	5.4
NRDL	94.05		pP	02:04:22.007	0.3	63.1		4.66		TAS				m_e		
ROTZ	94.07		P	02:04:14.346	0.3	63.7		4.56		TAS		16.2	1.39	m_e	mb	5.2
ROTZ	94.07		pP	02:04:22.142	-0.2	63.1		4.66		TAS				m_e		
RUE	92.03		P	02:04:04.675	-0.1	63.7		4.56		TAS		19.7	1.09	m_e	mb	5.4
RUE	92.03		pP	02:04:12.579	-0.2	63.1		4.66		TAS				m_e		
STU	96.28		P	02:04:23.839	0.4	63.7		4.56		TAS				m_e		
TANN	93.64		P	02:04:12.185	0.1	63.7		4.56		TAS		31.3	1.48	m_e	mb	5.4

TANN	93.64	pP	02:04:19.885	-0.1	63.1	4.66	TAS											m_e
TNS	96.03	P	02:04:23.043	-0.2	63.7	4.56	TAS											m_e
TNS	96.03	pP	02:04:30.830	0.3	63.1	4.66	TAS											m_e
UBBA	94.87	pP	02:04:25.593	0.1	63.1	4.66	TAS											m_e
UBR	96.24	P	02:04:23.555	-0.3	63.7	4.56	TAS											m_e
WERN	93.75	P	02:04:12.666	0.1	63.7	4.56	TAS					14.8	1.45	m_e	mb			5.1
WERN	93.75	pP	02:04:20.534	-0.0	63.1	4.66	TAS											m_e
WET	93.94	P	02:04:13.670	0.2	63.7	4.56	TAS					53.3	2.27	m_e	mb			5.5
WET	93.94	pP	02:04:21.358		63.1	4.66	TAS											m_e
WLF	97.60	P	02:04:30.494		63.7	4.56	TAS											m_e
WLF	97.60	pP	02:04:38.220		63.1	4.66	TAS											m_e

Event 30330002 Fiji Islands region

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author	
2013/03/30	05:31:24.60			-20.3400	-177.9000				554.1			24		145.88	151.63	m i ke	NEIC	
30330056																		

Magnitude Err Nsta Author

OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	147.57		PKPbc	05:50:06.565	0.0	14.5		2.50		TAS					m_e
BFO	151.63		PKPbc	05:50:16.071		14.5		2.50		TAS					m_e
BFO	151.63		PKPab	05:50:27.249		17.7		4.00		TAS					m_e
BRG	148.13		PKPbc	05:50:08.108	0.2	14.5		2.50		TAS					m_e
BRG	148.13		PKPab	05:50:13.097	-0.1	17.7		4.00		TAS					m_e
BSEG	145.88		PKPbc	05:50:01.990	-0.4	14.5		2.50		TAS					m_e
CLL	147.93		PKPbc	05:50:07.404	-0.2	14.5		2.50		TAS					m_e
CLZ	147.90		PKPbc	05:50:07.624	-0.2	14.5		2.50		TAS					m_e
FBE	148.22		PKPbc	05:50:08.660	0.2	14.5		2.50		TAS					m_e
FBE	148.22		PKPab	05:50:13.736		17.7		4.00		TAS					m_e
FLT1	147.29		PKPbc	05:50:05.535	-0.1	14.5		2.50		TAS					m_e
FUR	151.27		PKPab	05:50:26.492		17.7		4.00		TAS					m_e
GEC2	150.07		PKPbc	05:50:12.788		14.5		2.50		TAS					m_e
GEC2	150.07		PKPab	05:50:20.531		17.7		4.00		TAS					m_e
GOR1	146.64		PKPbc	05:50:04.298	0.0	14.5		2.50		TAS					m_e
GTTG	148.25		PKPbc	05:50:08.392	0.0	14.5		2.50		TAS					m_e
GTTG	148.25		PKPab	05:50:14.286		17.7		4.00		TAS					m_e
GUNZ	148.96		PKPdf	05:50:05.463						T__					m_e
GUNZ	148.96		PKPbc	05:50:10.367	0.0	14.5		2.50		TAS					m_e
GUNZ	148.96		PKPab	05:50:16.657		17.7		4.00		TAS					m_e
IBBN	147.79		PKPbc	05:50:07.064	0.3	14.5		2.50		TAS					m_e
MANZ	149.37		PKPbc	05:50:11.261	-0.4	14.5		2.50		TAS					m_e
MOX	148.84		PKPdf	05:50:05.060						T__					m_e
MOX	148.84		PKPbc	05:50:09.827	0.1	14.5		2.50		TAS					m_e
MOX	148.84		PKPab	05:50:15.715		17.7		4.00		TAS					m_e

NEUB	148.28	PKPbc	05:50:08.419	0.1	14.5	2.50	TAS	m_e
NRDL	147.31	PKPbc	05:50:05.804	0.0	14.5	2.50	TAS	m_e
PLN	148.88	PKPbc	05:50:09.940	0.2	14.5	2.50	TAS	m_e
RETH	147.18	PKPbc	05:50:05.533	-0.3	14.5	2.50	TAS	m_e
ROTZ	149.55	PKPbc	05:50:11.644	-0.1	14.5	2.50	TAS	m_e
STU	151.07	PKPbc	05:50:15.006		14.5	2.50	TAS	m_e
TANN	148.89	PKPdf	05:50:05.321				T__	m_e
TANN	148.89	PKPbc	05:50:10.082	0.3	14.5	2.50	TAS	m_e
TANN	148.89	PKPab	05:50:16.176		17.7	4.00	TAS	m_e
TNS	149.76	PKPbc	05:50:12.118	-0.4	14.5	2.50	TAS	m_e
TNS	149.76	PKPab	05:50:19.448		17.7	4.00	TAS	m_e
WERN	149.03	PKPbc	05:50:10.621	0.3	14.5	2.50	TAS	m_e
WERN	149.03	PKPab	05:50:16.915		17.7	4.00	TAS	m_e

Event 30330008 Off coast of northern California, United States

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/30	21:43:28.07			41.6890	-127.2910				33.0			20		78.04	83.52	m i ke	BGR
OrigID 30330014																	

Magnitude	Err	Nsta	Author	OrigID
mb	5.1		BGR	30330014

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	79.70		P	21:55:30.875	-0.1	330.0		5.27		TAS		35.1	1.55	m_e mb	5.1
BFO	82.17		P	21:55:43.835		330.0		5.27		TAS		168.5	3.46	m_e mb	5.6
BRG	81.80		P	21:55:42.232		330.0		5.27		TAS		13.3	0.95	m_e mb	5.0
BSEG	78.04		P	21:55:22.197	-0.2	330.0		5.27		TAS		11.9	0.94	m_e mb	5.0
CLL	81.14		P	21:55:38.548	0.1	330.0		5.27		TAS		13.5	1.04	m_e mb	4.9
CLZ	79.85		P	21:55:32.206	-0.1	330.0		5.27		TAS		37.3	1.63	m_e mb	5.1
FLT1	79.70		P	21:55:30.812	-0.1	330.0		5.27		TAS		33.4	1.42	m_e mb	5.1
FUR	83.33		P	21:55:50.223		330.0		5.27		TAS		25.3	1.16	m_e mb	5.3
GEC2	83.52		P	21:55:50.850		330.0		5.27		TAS		13.3	1.35	m_e mb	5.0
GRA1	81.98		P	21:55:43.300		330.0		5.27		TAS		38.5	1.56	m_e mb	5.3
GUNZ	81.75		P	21:55:41.698		330.0		5.27		TAS		5.5	0.96	m_e mb	4.7
IBBN	78.61		P	21:55:25.068	-0.1	330.0		5.27		TAS		11.9	0.91	m_e mb	4.9
MANZ	82.01		P	21:55:42.833		330.0		5.27		TAS		6.3	1.36	m_e mb	4.6
MOX	81.28		P	21:55:39.186	0.2	330.0		5.27		TAS		7.7	1.03	m_e mb	4.7
NEUB	80.86		P	21:55:37.147	-0.0	330.0		5.27		TAS		11.7	0.76	m_e mb	5.0
NRDL	79.21		P	21:55:28.411	0.0	330.0		5.27		TAS		18.1	1.42	m_e mb	4.9
UBR	83.35		P	21:55:50.388		330.0		5.27		TAS		17.9	1.18	m_e mb	5.2
WERN	81.83		P	21:55:42.299		330.0		5.27		TAS		6.9	1.01	m_e mb	4.7
WET	82.99		P	21:55:48.312		330.0		5.27		TAS		8.6	1.20	m_e mb	4.9

Event 30330009 South of Fiji Islands

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/30	21:48:02.30			-20.9000	176.5800				32.0					149.00	149.00	m i ke	NEIC
OrigID 30330063																	

Magnitude Err Nsta Author OrigID

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
GRA1	149.00		PKPdf	22:07:45.027		27.3		1.88		TAS				m_e	

Event 30331002 Off east coast of Honshu, Japan

Date	Time	Err	RMS	Latitude	Longitude	Smaj	Smin	Az	Depth	Err	Ndef	Nsta	Gap	mdist	Mdist	Qual	Author
2013/03/31	07:46:14.26			38.8500	143.1200				33.0				32	77.49	84.37	m i ke	BGR
OrigID 30331008																	

Magnitude Err Nsta Author OrigID

mb	5.7		BGR	30331008
MBB	5.8		BGR	30331008
Ms	4.7		BGR	30331008

Sta	Dist	EvAz	Phase	Time	TRes	Azim	AzRes	Slow	SRes	Def	SNR	Amp	Per	Qual	Magnitude
ASSE	80.38		P	07:58:22.988	-0.2	36.0		5.30		TAS		65.8	1.12	a_e	MBB 5.9
BFO	84.37		P	07:58:43.938		36.0		5.30		TAS		94.9	1.00	a_e	MBB 6.2
BRG	80.17		P	07:58:21.688	-0.5	36.0		5.30		TAS		52.4	0.98	a_e	MBB 5.6
BSEG	79.04		P	07:58:15.938	0.1	36.0		5.30		TAS		111.9	1.00	a_e	MBB 5.8
BUG	82.15		P	07:58:32.238	0.1	36.0		5.30		TAS		70.5	1.18	a_e	MBB 5.7
CLL	80.18		P	07:58:21.488	0.0	36.0		5.30		TAS		101.6	0.92	a_e	MBB 5.8
CLZ	80.73		P	07:58:25.188	0.1	36.0		5.30		TAS		118.3	1.07	a_e	MBB 5.9
FBE	80.36		P	07:58:23.038	0.1	36.0		5.30		TAS		98.3	0.93	a_e	MBB 5.8
FLT1	80.02		P	07:58:20.538	-0.2	36.0		5.30		TAS		110.6	0.92	a_e	MBB 5.9
FUR	83.38		P	07:58:38.988	-0.1	36.0		5.30		TAS		126.9	0.93	a_e	MBB 6.3
GEC2	81.87		P	07:58:30.688	0.3	36.0		5.30		TAS		47.7	1.31	m_e	MBB 5.6
GOR1	79.46		P	07:58:18.338	0.2	36.0		5.30		TAS		146.2	1.13	a_e	MBB 6.1
GRA1	82.16		P	07:58:32.888	-0.1	36.0		5.30		TAS		132.8	1.07	a_e	MBB 6.1
GRA1	82.16		L	08:37:53.124						T_		356.7	18.30	a_e	Ms 4.8
GTTG	81.12		P	07:58:27.038	0.0	36.0		5.30		TAS		133.7	0.99	a_e	MBB 6.0
GUNZ	81.20		P	07:58:27.438	0.2	36.0		5.30		TAS		56.7	1.11	a_e	MBB 5.6
IBBN	81.26		P	07:58:27.688	0.1	36.0		5.30		TAS		119.8	1.15	a_e	MBB 5.9
MANZ	81.58		P	07:58:29.488	-0.1	36.0		5.30		TAS		39.1	0.86	a_e	MBB 5.7
MOX	81.24		P	07:58:27.538	0.1	36.0		5.30		TAS		63.4	1.20	a_e	MBB 5.7
MOX	81.24		L	08:35:55.720						T_		279.3	21.60	a_e	Ms 4.6
NEUB	80.74		P	07:58:24.688	0.4	36.0		5.30		TAS		121.6	1.03	a_e	MBB 6.0
NRDL	80.29		P	07:58:22.488	0.2	36.0		5.30		TAS		44.4	1.03	a_e	MBB 5.6

PLN	81.16	P	07:58:27.138	0.1	36.0	5.30	TAS	45.7	1.25	a_e	MBB	5.6
RETH	80.35	P	07:58:22.938	-0.0	36.0	5.30	TAS	109.2	1.17	a_e	MBB	5.8
RGN	77.49	P	07:58:07.338	-0.3	36.0	5.30	TAS	184.1	1.13	a_e	MBB	6.2
ROTZ	81.72	P	07:58:30.488	-0.2	36.0	5.30	TAS	95.4	1.47	a_e	MBB	5.8
RUE	78.96	P	07:58:15.338	-0.1	36.0	5.30	TAS	133.2	1.16	a_e	MBB	6.0
STU	83.68	P	07:58:40.338	-0.6	36.0	5.30	TAS	69.2	0.84	a_e	MBB	6.0
TANN	81.10	P	07:58:26.888	0.2	36.0	5.30	TAS	44.4	1.03	a_e	MBB	5.6
TNS	82.75	P	07:58:35.638	0.1	36.0	5.30	TAS	61.6	1.32	a_e	MBB	5.7
UBBA	81.70	P	07:58:29.838	0.4	36.0	5.30	TAS	63.1	1.69	a_e	MBB	5.6
UBR	84.23	P	07:58:42.762		36.0	5.30	TAS	38.8	1.05	m_e	MBB	5.6
WERN	81.24	P	07:58:27.788	-0.0	36.0	5.30	TAS	60.2	1.03	a_e	MBB	5.7
WET	81.96	P	07:58:31.688	0.5	36.0	5.30	TAS	61.2	1.23	a_e	MBB	5.7